NOVATEC
EUROPE

CATALOGO SOLUTIONS 2021 - Q2

WIFI MESH PRO

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RICEZIONE

EXTENDER

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johansson®
the original

MIRA

TRIAX
connecting the future

DELTA
Electronics

inverto™

CATALOGO
BUILDING-HOME
DISTRIBUTION
2021 - Q2

NOTE

Building-Home Distribution

2021 - Q2

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TRIAX UNIX DIGITAL ANTENNA 5G

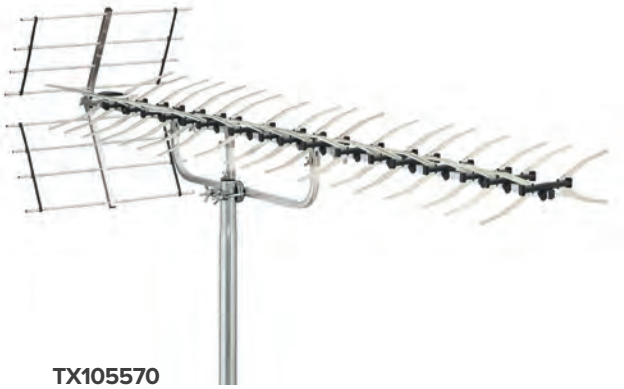
TX105550

SPECIFICA	TX105550	TX105560	TX105570
FREQUENCY			
Band	UHF		
Channels	21...48		
Frequency range UHF	470...694 MHz		
LTE protection	@ 700Mhz		
Gain	12.5 max dBi	14.5 max dBi	17 max dBi
LOSS			
Rejection @ 788 MHz (Ch. 60)	9.2 dB	8.1 dB	14.6 dB
ELECTRICAL			
Front to back ratio - horizontal	22 dB	20 dB	20 dB
MECHANICAL			
Elements	32	52	80
Windload @42 m/s	58 N	96 N	162 N
Beamwidth horizontal	±35 °	±25 °	±15 °
Main material	Aluminium		
Product Length	777 mm	1394 mm	2343 mm
Packing QTY	1		

Main Features:

- Interference protection from LTE 700 & 800 signals
- Quick and easy installation with semi-assembled aerials
- Mechanical filtering for higher gain
- Reliable high-quality aerials secures end-consumer satisfaction
- Corrosion and weather proof dipole housing
- Designed to receive DTT signals in the 470...694 MHz range
- Access to reliable, expert support from TRIAX

TX105560



TX105570

DETAILS

TRIAX DIGITAL ANTENNA 5G

TX105470

TX369129

SPECIFICA	TX105470	TX369129
FREQUENCY		
Band	UHF	
Channels	21...48	
Frequency range UHF	470...694 MHz	
LTE protection	@ 700Mhz	
Gain	13.5 max dBi	14.0 dBi
LOSS		
Rejection @ 788 MHz (Ch. 60)	8.3 dB	20.0 dB
Front to back ratio - horizontal	23 dB	20 dB
MECHANICAL		
Elements	14	16
Windload @42 m/s	54 N	58 N
Beamwidth horizontal	±30 °	±17 °
Main material	Aluminium	
Product Length	1085 mm	1003 mm
Packing QTY	1	

Main Features:

- Interference protection from LTE 700 & 800 signals
- Quick and easy installation with semi-assembled aerials
- Mechanical filtering for higher gain
- Reliable high-quality aerials secures end-consumer satisfaction
- Corrosion and weather proof dipole housing
- Designed to receive DTT signals in the 470...694 MHz range
- Access to reliable, expert support from TRIAX

TRIAX DIGITAL MARINE ANTENNA UFO 170

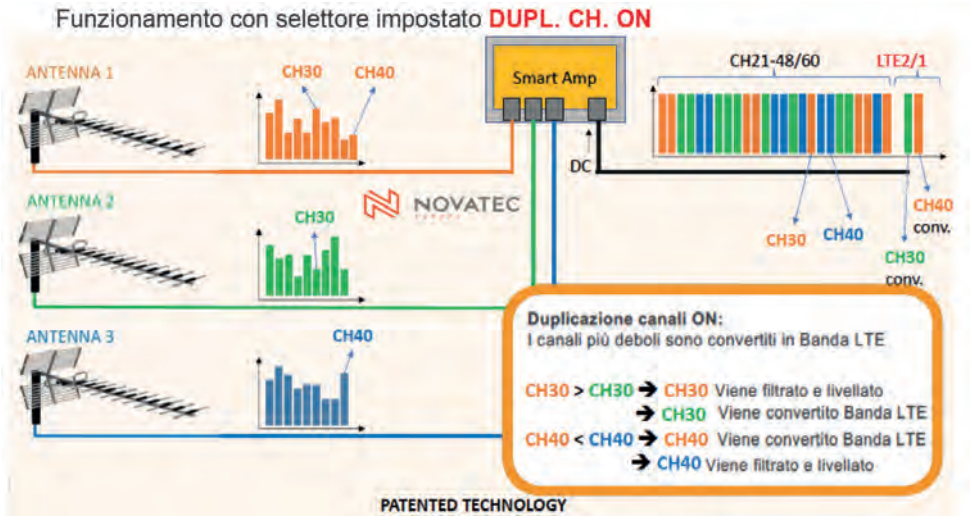
SPECIFICA	TX109170
FREQUENCY	
Band	FM / DAB / DAB+ / VHF / UHF
Max. Output level (@ full dig. load)	VHF:108 / UHF: 104 dBµV
GAIN	
Gain - UHF	27.0 dB
Noise figure	3.0 dB
OPERATIONAL	
Power Consumption (typ.)	< 1.2 W
Front to back ratio - horizontal	23 dB
MECHANICAL	
Windload @42 m/s	5.5 N
Beamwidth horizontal	360 °
Product Length	325 mm
Packing QTY	1

Main Features:

- TRIAX UFO digital aerial (VHF/UHF).
- Receives FM/VHF/DAB/UHF signals
- A small and discreet antenna.
- The antenna is surface-treated to withstand impacts from saltwater
- and weather conditions.
- The ideal flexible solution for home, indoor, caravan, boat, mobile
- home, bus and truck.
- TETRA safe

SMART AMPLIFIER J7473L1 / J7473L2 / J7474L1 / J7474L2

Il nuovo centralino SMART AMP permette poter di collegare 2, 3 o 4 antenne TV analizzando automaticamente i canali in ingresso e regolandoli con lo stesso livello e qualità di uscita. Selettore per duplicazione o eliminazione canali deboli.



4G LTE

Versioni
J7473L1
J7474L1

5G LTE

Versioni
J7473L2
J7474L2

NEW ITEM

SPECIFICA	UNITÀ	J7473L1	J7473L2	J7474L1	J7474L2
Ingressi	-	3	3	4	4
Filtri LTE	-	4G (CH60)	5G (CH48)	4G (CH60)	5G (CH48)
Frequenze ingresso		VHF BIII + UHF Selezione automatica della larghezza di banda per nazione			
Soppressione frequenza LTE	dB	>40			
Livello di uscita	dBµV	85			
Gamma di frequenza	MHz	174 - 862			
Bande LTE utilizzate	-	L1 = CH61-69 (790MHz-862MHz) Switch ON-OFF L2 = CH49-69 (694MHz-862MHz) Switch ON-OFF			
Separazione canali adiacenti	dB	>35			
Sensibilità ingresso	dBµV	minimo 40			
Alimentazione e assorbimento	-	12V/300mA (DC su coax) - 350mA 4 ingressi			
Alimentazione	-	Alimentatore esterno (rif. J2437 - 2 uscite)			
Dimensioni	mm	120 x 115 x 50			
Operating temperature	°C	-20 to +50			

Caratteristiche principali:

- Smart Amp esegue la scansione di tutti i canali, ottimizzandone livello e qualità
- Tutti i canali in uscita sono equalizzati ed hanno la stessa potenza
- Ottimo nelle installazioni con canali adiacenti con livelli di segnale e qualità diversi
- I canali con la stessa frequenza e diversa qualità vengono scelti e gestiti automaticamente
- Scansione e memorizzazione dei canali in ingresso e relativo filtraggio sono completamente automatici
- Riconoscimento automatico delle bande di ricezione nei diversi stati
- Scansione automatica degli ingressi gestita dall'alimentatore
- Filtri SAW per LTE 4G&5G automatici negli ingressi
- Contenitore da esterno
- Alimentatore con alimentazione su cavo coassiale
- Alimentatore con doppia uscita incluso nei kit
- CE RED compliant

J6700H - J6701 - J6711 Profiler Revolution

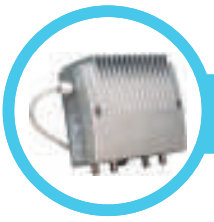
4G LTE

5G LTE

SPECIFICA	J6700H	J6701	J6711
Inputs	4 VHF/UHF + 1FM		1 FM + 1 DAB/VHF + 2 UHF
Outputs	1 main port FM-VHF-UHF 1 test port (-30 dB) FM-VHF-UHF		1 main port FM-DAB-VHF-UHF 1 test port (-30 dB) FM-DAB-VHF-UHF
Frequency range	FM: 88 ~ 108 MHz I VHF: 174 ~ 240 MHz I UHF: 470 ~ 862 MHz		
LTE Protection	Automatic selection: 694 MHz, 790 MHz or OFF		
Input level (dBµV)	FM: 37 ~ 77 I VHF: 40 ~ 109 I UHF: 40 ~109		FM: 37 ~ 77 I VHF: 45 ~ 109 UHF: 45 ~109
FM output power (60 dB/IM3)	113 dBµV		
VHF/UHF output power (60dB/IM3)	120 dBµV	115 dBµV	
VHF/UHF output power (35 dB/IM3)	131 dBµV	126 dBµV	
VHF/UHF output power with 1 MUX	118 dBµV	108 dBµV	105 dBµV
VHF/UHF output power with 6 MUX	114 dBµV	108 dBµV	105 dBµV
Conversion	Yes (from any VHF-UHF channel to any VHF-UHF channel)		
Add MUXes	Per 1 or 2 or 3 or 4 or 5 or 6 Muxes		
Number of channels	More than 50 (32 filters)		More than 50 (15 filters)
Gain	FM: 35 dB I VHF: > 75 dB I UHF: > 75 dB	FM: 35 dB I VHF: > 65 dB I UHF: > 65 dB	FM: 35 dB I VHF: > 60 dB UHF: > 60 dB
Gain adjustment	FM: 20 dB I VHF / UHF: Channel AGC		
General attenuator	20 dB		
VHF/DAB attenuator	15 dB		
Slope adjustment	15 dB		-
Selectivity	50 dB/1 MHz		
Output MER	VHF: 35 dB I UHF: 35 dB		
ESD protection	All inputs		
Remote voltage for preamp Remote current	12 V or 24 V 100 mA (total for the 4 inputs)		12 V or 24 V 100 mA (total for the 3 inputs)
SD port	Yes (for copy configuration)		No
Operating temperature	-5°C to +50°C		
Power Supply	100 V - 240 V		
Power Consumption	15 W	14 W	12 W
Dimensions	217 x 165 x 59 mm		
Weight	0,8 kg		

Main Features:

- programmable terrestrial filter amplifier
- 5 inputs: 4 VHF(DAB)/UHF and 1 FM
- read-out of input level strength: no need for field strength meter
- can process and convert more than 50 channels
- sharpest filters on the market (50 dB on adjacent channels)
- real-time AGC on all individual multiplexes
- flex matrix: complete flexibility in assigning filters from any input
- made in Europe, for worldwide application
- the Profiler Revolution facilitates straightforward configuration and is the most cost-efficient Profiler on the market
- configuration possible in different languages (English, French, Italian, Spanish)
- prepare your configuration file with uCloud
- RED compliant
- J6700W Wi-Fi Programmable



PRODOTTO CORRELATO TX323170

PRODOTTO CORRELATO 3LHE1040P

J6702 - Profiler Revolution SAT

SPECIFICA	J6702
Inputs	1 SAT + 1 FM + 4 VHF/UHF
Outputs	1 main (SAT-FM-VHF-UHF) + 1 test port (-30 dB)
Frequency range	SAT: 950 ~ 2400 MHz I FM: 88 ~ 108 MHz I VHF: 174 ~ 240 MHz UHF: 470 ~ 862 MHz
LTE Protection	Automatic selection: 694 MHz, 790 MHz or OFF
Input level (dBµV)	SAT: 40 ~ 95 | FM: 37 ~ 77 I VHF: 40 ~ 109 I UHF: 40 ~109
SAT output power (-35 dBc/IM3 2 carriers)	119 dBµV
FM output power (60 dB/IM3)	113 dBµV
VHF/UHF output power (60dB/IM3)	120 dBµV
VHF/UHF output power (35 dB/IM3)	131 dBµV
VHF/UHF output power with 1 MUX	113 dBµV
VHF/UHF output power with 6 MUX	110 dBµV
Conversion	Yes (from any VHF-UHF channel to any VHF-UHF channel)
Add channels	Per 1 or 2 Muxes (for terrestrial)
Number of channels	More than 50
Gain	SAT: 40 dB I FM: 35 dB I VHF: > 60 dB I UHF: > 60 dB
Gain adjustment	SAT: 20 dB I FM: 20 dB I VHF / UHF: Channel AGC
Noise figure	SAT: 8 dB
General attenuator	20 dB (on terrestrial only)
VHF/DAB attenuator	15 dB
Slope adjustment	SAT: 12 dB I VHF/UHF: 15 dB
Selectivity (dB/1MHz)	SAT: 40 (@ 862 MHz) I VHF/UHF: 35
Return loss	SAT: 10 dB
Output MER	VHF: 35 dB I UHF: 35 dB
ESD protection	All inputs
DC @ VHF/UHF input DC Load current @ VHF/UHF input	12 V or 24 V 100 mA (total for the 4 VHF/UHF inputs)
DC @ SAT input DC Load current @ SAT input	13V / 18V / Bypass & 0 kHz / 22kHz selectable by SW 300 mA
Remote voltage for preamp Remote current	12 V or 24 V 100 mA (total for the 4 inputs)
SD port	Yes (for copy configuration)
Operating temperature	-5°C ~ +50°C
Power Supply	100 V - 240 V
Power Consumption	25 W
Dimensions	217 x 165 x 59 mm
Weight	0,85 kg

Main Features:

- read-out of input level strength: no need for field strength meter
- can process more than 50 channels (Terrestrial and Satellite)
- can convert a wide selection of Terrestrial channels
- sharpest filters on the market (50 dB on adjacent channels)
- real-time AGC on all individual multiplexes
- flex matrix: complete flexibility in assigning filters from any input
- made in Europe, for worldwide application
- the Profiler Revolution SAT facilitates straightforward configuration
- RED compliant
- J6702W Wi-Fi Programmable

4G LTE

5G LTE

When satellite content must be combined with a terrestrial source, additional and expensive equipment must be installed.
With the Profiler Revolution SAT, this problem is solved.
The 6702 is a state-of-the-art Profiler Revolution, and an additional Satellite stream band can be added to the output.

PRODOTTO CORRELATO J9780

PRODOTTO CORRELATO IV5278

J9780 - Digital IF/IF Solutions

Main Features:

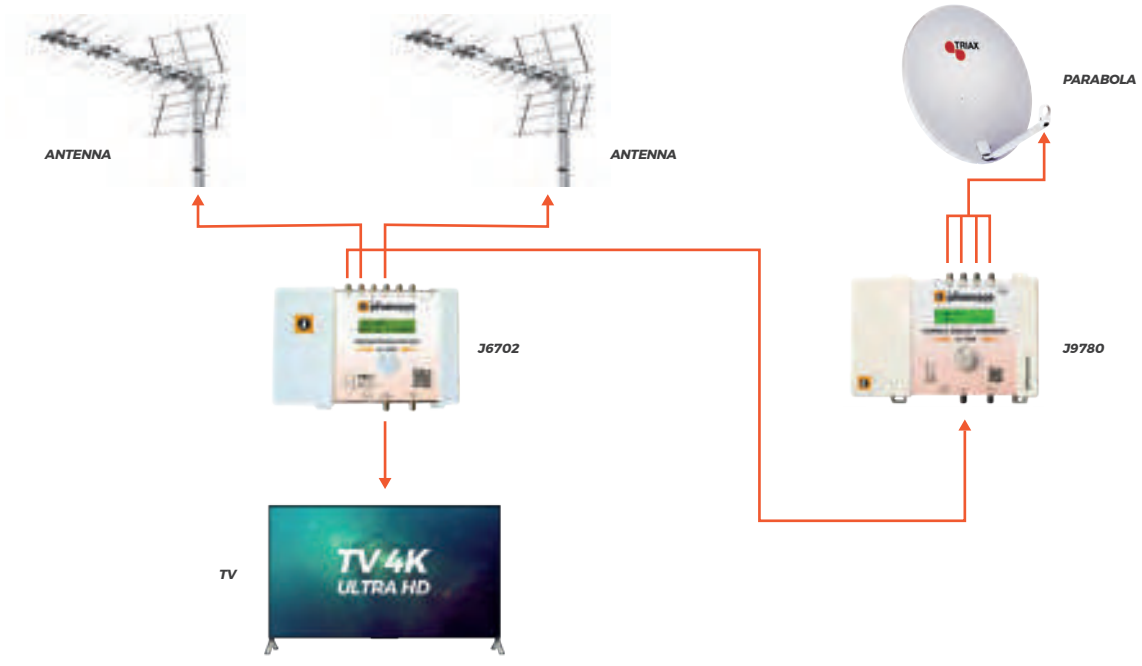
- programmable satellite IF converter
- up to 32 DVB-S/S2 transponders
- 4 satellite inputs (Quattro/Quad/Wideband LNB)
- realtime AGC on all individual transponders
- read-out of input level strength: no need for field strength meter
- 112 dBµV (output level)
- auto-tuning functionality

The J9780 is the new generation converter for satellite signals to be used in MDU's.
The compact plug-and-play module has a straightforward and easy configuration.
Perfect for equalizing and optimizing satellite transponders as input for your fiber headend.

SPECIFICA	J9780
Inputs	4 SAT (wideband/quattro/quad)
Outputs	main (SAT) + 1 test port (-30 dB)
Frequency range	SAT: 290 MHz ~ 2340 MHz
LTE Protection	Automatic selection: 694 MHz, 790 MHz or OFF
Input level	40 ~ 95 dBµV
SAT output power (per transponder)	112 dBµV
SAT output power (35 dB/IM3)	132 dBµV
SAT output level flatness	< 1 dB
SAT output level adjustment	20 dB
Slope adjustment	15 dB
SAT Gain	> 40 dB
Number of transponders	32
Conversion	Yes (all 32 transponders)
Transponder Bandwidth	1 MHz~ 64 MHz (per 1 MHz steps)
Selectivity	35 dB (@ 1 MHz)
Return loss	10 dB
Auto tuning	Yes (incoming transponders are copied from input 1 to output)
ESD protection	All inputs
DC @ VHF/UHF input DC Load current @ VHF/UHF input	12 V or 24 V 100 mA (total for the 4 VHF/UHF inputs)
DC @ SAT input DC Load current @ SAT input	13V / 18V / Bypass & 0 kHz / 22kHz selectable by SW 500 mA
SD port	Yes (for copy configuration)
Operating temperature	-5°C ~ +50°C
Power Supply	100 V - 240 V
Power Consumption	25 W
Dimensions	217 x 165 x 59 mm
Weight	0,8 kg

J9780 - Digital CSCR Solutions

SCHEMA COLLEGAMENTO



3LHE1040 - House Amplifier Profi-Line LHE 1032 P / 1040 P

Main Features:

- 1 GHz bandwidth
- HJ MultiGainTech 40/32 dB
- HJ JXP PADs for level and slope adjustment
- HJ Reliable adjustment of all values over lifetime
- HJ Cable simulator on input
- HJ Extreme low distortion and noise on return way
- HJ Input/Output horizontal or vertical assembly
- HJ Excellent linearity up to 1 GHz
- HJ Alu die-cast housing IP 65, strand mount possible
- HJ UPC - Unitymedia certified
- HJ Vodafone Kabel Deutschland GmbH certified

SPECIFICA	LHE 1032 P	LHE 1040 P
Downstream		
Frequency range	85 ~ 1006 MHz (Diplexer on board)	
Gain	32 dB	32 dB / 40 dB, switchable
Linearity	± 0.5 dB	
Cable simulation	0,1,2,3...10 dB, pluggable JXP-PADs	
Attenuation	0,1,2,3...20 dB, pluggable JXP-PADs	
Slope	0,1,2,3...20 dB, pluggable JXP-PADs	
Interstage-slope	0 / 7 / 10 dB	
Interstage attenuation	0,1,2,3...10 dB with PADs	
Return loss Input/Output	18 -1.5 dB, Octave, Reference 47 MHz	
Noise	≤ 5 dB	
Output level 41 Ch, CENELEC, CSO/CTB > 60 dB 7dB Slope	113 / 111 dBµV	
Max. Output level 112 Ch up to 1 GHz for BER 10-9, flat EN 60728-3	≥ 106 dBµV	
Max.Output level 112 Ch up to 1 GHz + 33 Ch FM, 7 db slope UM TR 406 V 1.5	≥ 108 dBµV	
Upstream		
Frequency range	85 ~ 1006 MHz	
Gain	22 dB / 32 dB, switchable	
Linearity	± 0.5 dB	
Attenuation input	0,1,2,3...20 dB, pluggable JXP-PADs	
Slope	0,1,2,3...20 dB, pluggable JXP-PADs	
Attenuation output	0,1,2,3...20 dB, pluggable JXP-PADs	
Return loss Input/Output	18 dB, 5 ~ 65 MHz	
Noise	≤ 5 dB	
Max. Output level for BER 10^{-9} 7 Ch 64 QAM, 7 carrier, 5.12 MSymb/s	≥ 115 dBµV	
Altre specifiche		
Power supply	185 - 265 V	
Power consumption	11.7 W max. incl. active return way	13 W max. incl. active return way
Dimensions	207 x 150 x 80 mm	
Weight	1.6 kg	
Connector	PG 11/F-connector included	

TX323170 - GPV 950 amplifier w/active RC, 85 – 1006 MHz

Main Features:

- One-board technology: all functionalities on one board implemented
- Rotary switches in 1 dB steps for settings of attenuation and equalization
- Downstream: 85...1006 MHz by max. output level 113 dBµV
- Upstream: 5-65 MHz, max. output 120 dBµV (high load performance for DOCSIS 3.x, KDG-Class D)
- Basic gain selectable via jumpers
- Return path mode selectable: active / passive / off
- Integrated cablesimulator
- State of the art 1 GHz technology
- Excellent and stable amplifier characteristics
- Low power consumption because of high efficient switching PSUs

GPV 950 are high output Distribution Amplifiers for use in CATV distribution networks in multi-dwelling premises primarily. Switching of the basic gains enables to configure the amplifiers as line extender or as cascade amplifier in trunk position.
All functional parts and setting elements are implemented on the printed board. Thus you do not need external accessories for configuration and operation of the amplifier in generally. That basic type is mains fed via Euro-plug.

SPECIFICHE	TX323170
Generals	
Return Path	5 ~ 65 MHz
Type	Amplifier - Indoor
Output level CSO @ 60 dB IMD (42 ch) flat	114/116 dBµV
Output level CTB @ 60 dB IMD (42 ch) flat	113/115 dBµV
Output level return path	120 dBµV
Frequency	
Frequency range - Forward	87 ~ 1006 MHz
Frequency range	85 ~ 1006 MHz
Frequency response	± 1.0 dB
Gain	
Gain - Return path	32 / 26 / -2 dB
Noise figure - Forward (VHF I “off”)	6,0 dB
Slope - Interstage	DS 0/3/7/10, US 0/3/6/9 dB
Gain forward - Interstage	41 dB / 33 dB
Loss	
Equalization	0 ~ 15 dB, 1 dB steps by rotary switches
Attenuation forward - line equalizer at input	41 dB
Return Loss	
Return loss - Input (-1,5 dB / octave)	>18 dB
Return loss - Output (-1,5 dB / octave)	>18 dB
Electrical	
Impendance	75 Ω
Operational	
Reference standards	EN 50083-2, EN 60065, EN 60728-11, EN 60728-3
AC Supply voltage	190 ~ 264 VAC
Power Consumption (typ.)	15 W
IP Housing protection class	IP 65
Insulation Class	II
Temperature - operating	-25 ~ 55 °C
Connectors	
Number of inputs	1
Number of outputs	1
RF connector - Test point input: bidirectional	-20 dB
RF connector - Test point output: directional	-20 dB
Connector Type	F-female
Mechanical	
Product Length	170 mm
Main material	Zinc diecast
Product Dimensions	180 x 145 x 70 mm
Colour	Silver
Packing QTY	1
Packaging Dimensions	240 x 170 x 78 mm
Packaging Volume	3 mm^3
Net Weight	1.6 kg

Parabole TRIAX

SPECIFICA		TDx65	TDx80	TDx100
Codice S - Acciaio / L - Aluminio Bianco - RAL 7035 Antracite - RAL 7016		TX120501 (Bianco, 1pz) TX120500 (Antracite, 1pz)	TX120509 (Bianco 1pz) TX120508 (Antracite 1pz)	TX120518 (Bianco,1pz)
Caratteristiche elettriche				
Gamma di frequenze	GHz	10,7 - 12,75 GHz	10,7 - 12,75 GHz	10,7 - 12,75 GHz
Guadagno a 11,7 GHz	dBi	35,8	37,1	38,8
G/T LNB 0,7	dB/K	16,0	16,0	19,2
Polarizzazione X	dB	> 27	> 27	> 27
Caratteristiche meccaniche				
Angolo di offset	gradi	26	26	26
Elevazione gamma	gradi	10-50/45-80	10-50/45-80	10-50/45-80
Tipo di riflettore	F/D 0,6	Offset	Offset	Offset
Ampiezza raggio	gradi	3,1	2,6	2,0
Carico vento a 42 m/s	N	445	619	902
Dimensioni (A x P x L)	mm	660 x 600	790 x 710	970 x 870
Materiale		Acciaio zincato di alta qualità	Acciaio zincato di alta qualità	Acciaio zincato di alta qualità
Finitura		Rivestimento a polvere, poliestere	Rivestimento a polvere, poliestere	Rivestimento a polvere, poliestere
Staffe				
Supporto LNB in plastica	mm	Ø 40 + Ø 25	Ø 40 + Ø 25	Ø 40 + Ø 25
Diametro supporto	mm	Ø 32-60	Ø 32-60	Ø 32-60
Avvisi		Imballo singolo		

Supporti multifeed LNB TRIAX

TX300819

TX300827

Staffe Triax LNB - Ricezione multi satellitare.
La gamma completa di staffe LNB e accessori Triax per installazioni perfette. Staffa LNB dall'eccellente design, in plastica e alluminio, resistente ai raggi UV, assicura un montaggio stabile e facile da eseguire.

SPECIFICA		TD - DUAL FEED 3°-10°	TD - DUAL FEED 6°
Codice		TX300827	TX300819
Colore		Nero	Nero
Materiale		Plastica	Plastica
Angolo LNB	gradi °	3-10	6
Dimensioni LNB	mm	Ø 40	Ø 40
Formato confezione	pz.		1
Avvisi		Adattatore Ø 25 mm - Optional	Adattatore Ø 25 mm - Optional

MIRA MLULB2 - Wideband 40mm LNB with Horizontal/Vertical ports

SPECIFICA	MIRA MLULB2
Low Band Input Frequency Range	10.7 GHz ~ 12.75 GHz
IF Frequency Range	290 MHz ~ 2350 MHz
Noise figure	0.7 dB typ. (1 dB max.)
LO phase noise @ 10 kHz	- 80 dBc/Hz max.
Conversion gain	50 dB ~ 60 dB min.
Gain variation (over full band)	± 0.5 dB @ 27 MHz
Image rejection	40 dB min. (8.05 GHz ~ 10.1 GHz)
1 dB compression point (@ output)	0.0 dBm min.
Cross polarization isolation	25 dB min.
Polarization selection - Vertical	10.0 V ~ 14.0 V
Polarization selection - Horizontal	16.0 V ~ 20.0 V
Output VSWR	2.5 : 1
In band spurious level	- 60 dBm max.
Current Consumption	150 mA max. @ 11 V ~ 20 V
Operating Temperature	-30 °C ~ +60 °C
Output Impedance	75 Ω
Output Connector	F-Type (Female)
Weight	110 g

Main Features:

- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low Power Consumption
- High Cross Polarization Isolation
- High Frequency stability
- Greater immunity against 4G interferences
- LO Frequency 10.41 GHz

IV5278 - IV5687 dCSS LNB Straightfeed 40mm

Main Features:

- Low Phase Noise, DVB-S2 (HDTV/UHD) compliant
- Low Noise Figure
- Low power consumption
- Very High Cross Polarization Isolation
- Programmable Static frequency mapping mode
- Dish alignment mode

SPECIFICA	IV5278	IV5687
Input Frequency Range	10.7 ~ 12.75 GHz	
LO Frequency	10.4 GHz	
Noise figure	1 dB max.	
LO temperature drift @ 25°C	± 2.5 MHz max.	
LO initial accuracy	± 1.0 MHz max.	
LO phase noise @ 10 kHz	- 80 dBc/Hz max.	
Conversion Gain	55 dB min.	
Gain variation (over full band)	± 0.75 dB/UB max.	
Image rejection	40 dB min.	
1 dB compression point (@output)	0 dB min.	
Cross polarization isolation	22 dB min.	
Output VSWR	2.5 : 1	
Current consumption	400 mA max. @ 13.5 V	
Operating temperature	- 30°C ~ +60°C	
Output Impedance	75 Ω	
Output connector type	F-type (female)	
Weight	220 g	
Bandwidth User Band	Configurable, 10 MHz ~ 64 MHz (default 30 MHz)	
Number of User Bands	Up to 32	

PRODOTTO CORRELATO IV5393

PRODOTTO CORRELATO SAT PAL

IV5278 Standard Configuration
32 UBs in dynamic mode

Channel	Unicable I	Unicable II	Frequency	Channel	Unicable I	Unicable II	Frequency
1	UB 1		1210.0 MHz	21	UB 21		1716.0 MHz
2	UB 2		1420.0 MHz	22	UB 22		1752.0 MHz
3	UB 3		1680.0 MHz	23	UB 23		1788.0 MHz
4	UB 4		2040.0 MHz	24	UB 24		1824.0 MHz
5	UB 5		984.0 MHz	25		UB 25	1860.0 MHz
6	UB 6		1020.0 MHz	26		UB 26	1896.0 MHz
7	UB 7		1056.0 MHz	27		UB 27	1932.0 MHz
8	UB 8		1092.0 MHz	28		UB 28	1968.0 MHz
9	UB 9		1128.0 MHz	29		UB 29	2004.0 MHz
10	UB 10		1164.0 MHz	30		UB 30	2076.0 MHz
11	UB 11		1256.0 MHz	31		UB 31	2112.0 MHz
12	UB 12		1292.0 MHz	32		UB 32	2148.0 MHz
13	UB 13		1328.0 MHz				
14	UB 14		1364.0 MHz				
15	UB 15		1458.0 MHz				
16	UB 16		1494.0 MHz				
17	UB 17		1530.0 MHz				
18	UB 18		1566.0 MHz				
19	UB 19		1602.0 MHz				
20	UB 20		1638.0 MHz				

IV5687 Standard Configuration
20 UBs in dynamic mode

Channel	Unicable I	Unicable II	Frequency
1	UB 1		1210.0 MHz
2	UB 2		1420.0 MHz
3	UB 3		1680.0 MHz
4	UB 4		2040.0 MHz
5		UB 5	985.0 MHz
6		UB 6	1050.0 MHz
7		UB 7	1115.0 MHz
8		UB 8	1275.0 MHz
9		UB 9	1340.0 MHz
10		UB 10	1485.0 MHz
11		UB 11	1550.0 MHz
12		UB 12	1615.0 MHz
13		UB 13	1745.0 MHz
14		UB 14	1810.0 MHz
15		UB 15	1875.0 MHz
16		UB 16	1940.0 MHz
17	UB 17		1160.0 MHz
18	UB 18		1990.0 MHz
19	UB 19		2086.0 MHz
20	UB 20		2130.0 MHz

IV5597 - IV5598 Universal 40mm PLL LNB Pro

IV5597
Single Universal
40mm PLL
LNB Pro

IV5598
Twin Universal
40mm PLL
LNB Pro

SPECIFICA	IV5597	IV5598
Low Band Input Frequency Range	10.7 ~ 11.7 GHz	
Low Band Output Frequency Range	950 ~ 1950 MHz	
Low Band LO Frequency	9.75 GHz	
High Band Input Frequency Range	11.7 ~ 12.75 GHz	
High Band Output Frequency Range	1100 ~ 2150 MHz	
High Band LO Frequency	10.6 GHz	
Noise Figure	0.6 dB typ. (0.9 dB max.)	
LO Phase Noise @10K Hz	- 80 dBc/Hz max.	
Conversion Gain	55 dB min.	
Gain Variation (over full band)	± 3 dB	
Cross-pol isolation	23 dB min., 25 dB typ.	
Polarization selection - Vertical	10.0 V ~14.0 V	
Polarization selection - Horizontal	16.0 V ~ 21.0 V	
Control signal Cc (band switching)	22 kHz ± 4 kHz, 0.4 V ~ 0.8 V pp	
Output VSWR	2.0 : 1	
In band spurious level	-60 dBm max.	
Current consumption	100 mA max. @ 10 V ~ 21 V	120 mA max. @ 11 VDC ~ 20 VDC
Operating temperature	-30 °C ~ +60 °C	
Output connector type	F-Type (female)	
Weight	83 g	98 g

Main Features:
- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability [PLL]
- High immunity against 4G interferences

IV5599 - Quad Universal 40mm PLL LNB Pro

SPECIFICA	IV5599
Low Band Input Frequency Range	10.7 ~ 11.7 GHz
Low Band Output Frequency Range	950 ~ 1950 MHz
Low Band LO Frequency	9.75 GHz
High Band Input Frequency Range	11.7 ~ 12.75 GHz
High Band Output Frequency Range	1100 ~ 2150 MHz
High Band LO Frequency	10.6 GHz
Noise Figure	0.6 dB typ. (0.9 dB max.)
LO Phase Noise @10K Hz	- 80 dBc/Hz max.
Conversion Gain	55 dB min.
Gain Variation (over full band)	± 3 dB
Cross-pol isolation	23 dB min., 25 dB typ.
Polarization selection - Vertical	10.0 V ~14.0 V
Polarization selection - Horizontal	16.0 V ~ 21.0 V
Control signal Cc (band switching)	22 kHz ± 4 kHz, 0.4 V ~ 0.8 V pp
Output VSWR	2.0 : 1
In band spurious level	-60 dBm max.
Current consumption	300 mA max. @ 11 V ~ 20 V
Operating temperature	-30 °C ~ +60 °C
Output connector type	F-Type (female)
Weight	126 g

Main Features:
- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability [PLL]
- High immunity against 4G interferences

IV5441 - IV5442 Universal 40mm PLL LNB Home Pro

IV5441
Single Universal
40mm PLL LNB
Home Pro

IV5442
Twin Universal
40mm PLL LNB
Home Pro

Main Features:
- Low Phase Noise, DVB-S2 (HDTV/UHD) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability

SPECIFICA	IV5441, IV5442
Input Frequency Range	10.7 ~ 12.75 GHz
Output Frequency Range	950 ~ 1950 MHz
Low band LO frequency	9.75 GHz
High band LO frequency	10.6 GHz
Noise Figure	0.3 dB typ. (0.7 dB max.)
LO frequency accuracy @ 25°C	± 500 kHz max.
LO temperature drift @ 25°C	± 1.0 MHz max.
LO phase noise @ 10 kHz	- 80 dBc/Hz max.
Conversion Gain	55 dB min.
Gain ripple (over 26 MHz bandwidth)	± 0.75 dB/27MHz
Gain Variation (over full band)	± 4 dB
Image Rejection	40 dB (min)
3th order intermodulation - ICP3	10dBm min.
1 dB compression point (@output)	0 dB min.
Cross polarization isolation	20 dB min.
Control signal Ca (V)	11.0 V ~ 14.0 V
Control signal Cb (H)	16.0 V ~ 20.0 V
Control signal Cc (band switching)	22 kHz ± 4 kHz 0.4 V – 0.8 V pp
Output VSWR	2.5 : 1
In band spurious level	- 55 dBm max.
Current consumption	**IV5441**: 85 mA max. @ 11 VDC ~ 20 VDC **IV5442**: 120 mA max. @ 11 VDC ~ 20 VDC
Operating temperature	- 30°C ~ +60°C
Output impedance (LNB2)	75 Ω
Output connector type	F-type (female)
Dish F/D ratio	0.6
Weight	**5441**: 127 g **IV5442**: 174 g

IV5443 - IV5444 Quad/Quattro Universal 40mm PLL LNB Home Pro

IV5443
Quad Universal
40mm PLL LNB
Home Pro

IV5444
Quattro Universal
40mm PLL LNB
Home Pro

Main Features:
- Low Phase Noise, DVB-S2 (HDTV/UHD) compliant
- Low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability

SPECIFICA	IV5443, IV5444
Input Frequency Range	10.7 ~ 12.75 GHz
Output Frequency Range	950 ~ 1950 MHz
Low band LO frequency	9.75 GHz
High band LO frequency	10.6 GHz
Noise Figure	0.3 dB typ. (0.7 dB max.)
LO frequency accuracy @ 25°C	± 500 kHz max.
LO temperature drift @ 25°C	± 1.0 MHz max.
LO phase noise @ 10 kHz	- 80 dBc/Hz max.
Conversion Gain	55 dB min.
Gain ripple (over 26 MHz bandwidth)	± 0.75 dB/27MHz
Gain Variation (over full band)	± 4 dB
Image Rejection	40 dB (min)
3th order intermodulation - ICP3	10dBm min.
1 dB compression point (@output)	0 dB min.
Cross polarization isolation	20 dB min.
Control signal Ca (V)	11.0 V ~ 14.0 V
Control signal Cb (H)	16.0 V ~ 20.0 V
Control signal Cc (band switching)	22 kHz ± 4 kHz 0.4 V – 0.8 V pp
Output VSWR	2.5 : 1
In band spurious level	- 55 dBm max.
Current consumption	120 mA max. @ 11 VDC ~ 20 VDC
Operating temperature	- 30°C ~ +60°C
Output impedance (LNB2)	75 Ω
Output connector type	F-type (female)
Dish F/D ratio	0.6
Weight	174 g

IV5445 - IV5446 Single Universal 40mm PLL LNB Premium Pro

Main Features:

- Low Phase Noise, DVB-S2 (HD/UHD) compliant
- Very low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability

SPECIFICA	IV5445	IV5446
Input Frequency Range	10.7 ~ 12.75 GHz	
Output Frequency Range	950 ~ 2150 MHz	
Low band LO frequency	9.75 GHz	
High band LO frequency	10.6 GHz	
Noise Figure	0.2 dB typ. (0.7 dB max.)	
LO frequency accuracy @ 25°C	± 500 kHz max.	
LO temperature drift @ 25°C	± 1.0 MHz max.	
LO phase noise @ 10 kHz	- 80 dBc/Hz max.	
Conversion Gain	56 dB min.	55 dB min.
Gain ripple (over 26 MHz bandwidth)	± 0.6 dB	
Gain Variation (over full band)	± 3 dB	
Image Rejection	40 dB (min)	
3th order intermodulation - ICP3	10dBm min.	
1 dB compression point (@output)	0 dB min.	
Cross polarization isolation	22 dB min.	
Control signal Ca (V)	11.0 V ~ 14.0 V	
Control signal Cb (H)	16.0 V ~ 20.0 V	
Control signal Cc (band switching)	22 kHz ± 4 kHz, 0.4 V – 0.8 V pp	
Output VSWR	2.5 : 1	
In band spurious level	- 60 dBm max.	
Current consumption	80 mA max @ 11 VDC ~ 20 VDC	120 mA max @ 11 VDC ~ 20 VDC
Operating temperature	- 35°C ~ +60°C	
Output impedance (LNB2)	75 Ω	
Output connector type	F-type (female)	
Dish F/D ratio	0.6	
Weight	136 g	218 g

IV5447 - IV5448 Quad/Quattro Universal 40mm PLL LNB Premium Pro

Main Features:

- Low Phase Noise, DVB-S2 (HD/UHD) compliant
- Very low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability

SPECIFICA	IV5447	IV5448
Input Frequency Range	10.7 ~ 12.75 GHz	
Output Frequency Range	950 ~ 2150 MHz	
Low band LO frequency	9.75 GHz	
High band LO frequency	10.6 GHz	
Noise Figure	0.2 dB typ. (0.7 dB max.)	
LO frequency accuracy @ 25°C	± 500 kHz max.	
LO temperature drift @ 25°C	± 1.0 MHz max.	
LO phase noise @ 10 kHz	- 80 dBc/Hz max.	
Conversion Gain	55 dB min.	
Gain ripple (over 26 MHz bandwidth)	± 0.6 dB	
Gain Variation (over full band)	± 3 dB	
Image Rejection	40 dB (min)	
3th order intermodulation - ICP3	10dBm min.	
1 dB compression point (@output)	0 dB min.	
Cross polarization isolation	22 dB typ., 22 dB min.	22 dB min.
Control signal Ca (V)	11.0 V ~ 14.0 V	
Control signal Cb (H)	16.0 V ~ 20.0 V	
Control signal Cc (band switching)	22 kHz ± 4 kHz, 0.4 V – 0.8 V pp	
Output VSWR	2.5 : 1	
In band spurious level	- 60 dBm max.	
Current consumption	120 mA max @ 11 ~ 20 VDC	
Operating temperature	- 35°C ~ +60°C	
Output impedance (LNB2)	75 Ω	
Output connector type	F-type (female)	
Dish F/D ratio	0.6	
Weight	221 g	224 g

IV5482 - 8 Output Universal 40mm PLL LNB Premium Pro

Main Features:

- Low Phase Noise, DVB-S2 (HD/UHD) compliant
- Very low Noise Figure
- Low power consumption
- High Cross Polarization Isolation
- High Frequency stability

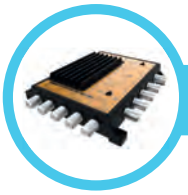
SPECIFICA	IV5482
Input Frequency Range	10.7 ~ 12.75 GHz
Output Frequency Range	950 ~ 1950 MHz
Low band LO frequency	9.75 GHz
High band LO frequency	10.6 GHz
Noise Figure	0.7 dB typ. (1 dB max.)
LO frequency accuracy @ 25°C	± 400 kHz max.
LO temperature drift @ 25°C	± 800 MHz max.
LO phase noise @ 10 kHz	- 90 dBc/Hz max.
Conversion Gain	55 dB min.
Gain ripple (over 26 MHz bandwidth)	± 0.6 dB
Gain Variation (over full band)	± 4 dB
Image Rejection	40 dB (min)
3th order intermodulation - ICP3	10dBm min.
1 dB compression point (@output)	0 dB min.
Cross polarization isolation	22 dB min.
Control signal Ca (V)	10.0 V ~ 14.0 V
Control signal Cb (H)	16.0 V ~ 20.0 V
Control signal Cc (band switching)	22 kHz ± 4 kHz
Output VSWR	2.3: 1
In band spurious level	- 60 dBm max.
Current consumption	210 mA max. @ 11 VDC ~ 20 VDC
Operating temperature	- 30°C ~ +60°C
Output impedance (LNB2)	75 Ω
Output connector type	F-type (female)
Dish F/D ratio	0.6
Weight	276 g

IV5277 - Wideband 40mm LNB with Horizontal/Vertical ports

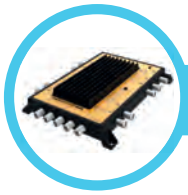
Main Features:

- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low Power Consumption
- High Cross Polarization Isolation
- High Frequency stability
- Greater immunity against 4G interferences
- LO Frequency 10.4 GHz

SPECIFICA	IV5277
Low Band Input Frequency Range	10.7 GHz ~ 12.75 GHz
IF Frequency Range	300 MHz ~ 2350 MHz
Noise figure	0.7 dB typ. (1 dB max.)
LO phase noise @ 10 kHz	- 80 dBc/Hz max.
Conversion gain	50 dB ~ 60 dB min.
Gain variation (over full band)	± 0.5 dB @ 27 MHz
Image rejection	40 dB min. (8.05 GHz ~ 10.1 GHz)
1 dB compression point (@ output)	0.0 dBm min.
Cross polarization isolation	25 dB min.
Polarization selection - Vertical	10.0 V ~ 14.0 V
Polarization selection - Horizontal	16.0 V ~ 20.0 V
Output VSWR	2.5 : 1
In band spurious level	- 60 dBm max.
Current Consumption	150 mA max. @ 11 V ~ 20 V
Operating Temperature	-30 °C ~ +60 °C
Output Impedance	75 Ω
Output Connector	F-Type (Female)
Weight	110 g



PRODOTTO CORRELATO IV5413



PRODOTTO CORRELATO IV5458

IV3116 - IV3208 Universal HGLN 40mm LNB Black Ultra

IV3116 - Single HGLN 40mm LNB

IV3208 - Twin HGLN 40mm LNB

SPECIFICATION	IV3116	IV3208
Low band input frequency range	10.7 GHz ~ 11.7 GHz	
Low band output frequency range	950 MHz ~ 1950 MHz	
Low band LO frequency	9.75 GHz	
High band input frequency range	11.7 GHz ~ 12.75 GHz	
High band output frequency range	1100 ~ 2150 MHz	
High band LO frequency	10.6 GHz	
Noise figure	0.2 dB typ. (0.7 dB Max.)	
LO temperature drift	± 3.0 MHz max.	
LO accuracy @ 25 °C	± 1.0 MHz max.	
LO phase noise @ 10 kHz	-90 dBc/Hz	
Conversion gain	60 dB min.	
Gain ripple (over 26 MHz bandwidth)	± 0.75 dB	
Gain variation (over full band)	± 4 dB max.	
Image rejection	40 dB min.	
1 dB compression point (@ output)	0.0 dBm min.	
Cross talk	22 dB min.	
Control signal Ca (V)	11.0 V ~ 14.0 V	
Control signal Cb (H)	16.0 V ~ 20.0 V	
Control signal Cc (band switching)	22 kHz ± 4 kHz, 0.4V – 0.8V pp	22 kHz ± 4 kHz
Output VSWR	2.0 : 1	
In band spurious level	-50 dBm max.	-60 dBm max.
Current consumption	120 mA max. (11 VDC ~ 20 VDC)	180 mA max. (11 VDC ~ 20 VDC)
Operating temperature	-30 °C ~ +60 °C	
Output impedance	75 Ω (F-type)	
Output connector type	F-Type (female)	
Weight	151 g	181 g

Main Features

- Superior Phase Noise performance, DVB-S2 (HDTV) compliant
- Excellent Cross Polarization Isolation
- Very Low Spurious Levels
- Superior Noise Figure
- Higher Conversion Gain
- Ultimate Reliability

IV3405 - IV3310 Quattro/Quad HGLN 40mm LNB Black Ultra

Main Features

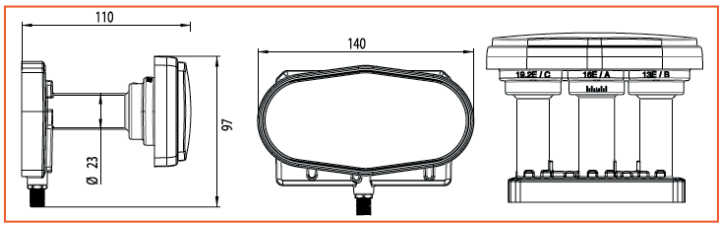
- IV3405 Quattro HGLN 40 mm LNB Black Ultra
- IV3310 Quad HGLN 40 mm LNB Black Ultra
- Superior Phase Noise performance, DVB-S2 (HDTV) compliant
- Excellent Cross Polarization Isolation
- Very Low Spurious Levels
- Superior Noise Figure
- Higher Conversion Gain
- Ultimate Reliability

SPECIFICATION	IV3405 / IV3310
Low band input frequency range	10.7 GHz ~ 11.7 GHz
Low band output frequency range	950 MHz ~ 1950 MHz
Low band LO frequency	9.75 GHz
High band input frequency range	11.7 GHz ~ 12.75 GHz
High band output frequency range	1100 ~ 2150 MHz
High band LO frequency	10.6 GHz
Noise figure	0.2 dB typ. (0.7 dB Max.)
LO temperature drift	± 3.0 MHz max.
LO accuracy @ 25 °C	± 1.0 MHz max.
LO phase noise @ 10 kHz	-90 dBc/Hz
Conversion gain	60 dB min.
Gain ripple (over 26 MHz bandwidth)	± 0.75 dB
Gain variation (over full band)	± 4 dB max.
Image rejection	40 dB min.
1 dB compression point (@ output)	0.0 dBm min.
Cross talk	22 dB min.
Output VSWR	2.0 : 1
In band spurious level	-60 dBm max.
Current consumption	200 mA max. (11 VDC ~ 20 VDC)
Operating temperature	-30 °C ~ +60 °C
Output impedance	75 Ω (F-type)
Output connector type	F-Type (female)
Weight	344 g

IV5068 - Single Triple-feed 23mm LNB

Main Features:

- 85 cm wide parabolic offset reflector
- 40 mm feed clamp with ~7mm profile (the LNB will be supplied with 40mm ring adaptor)
- F/D = 0.6



SPECIFICA	IV5068
Low Band Input Frequency Range	10.7 ~ 11.7 GHz
O/P Frequency Range	950 ~ 1950 MHz
LO Frequency	9.75 GHz
Noise Figure	1.0 (max) dB
High Band Input Frequency Range	11.7 ~ 12.75 GHz
O/P Frequency Range	1100 ~ 2150 MHz
LO Frequency	10.6 GHz
Noise Figure	- 80 dBc/Hz max.
LO Phase Noise @ 1K Hz	-55 dBc / Hz
Conversion Gain	50 ~ 62 dB
Gain Variation	6 [max] dB
Output 1 dB Compression Point	0.0 [min.] dBm
Crosstalk Isolation	20 (min) dB
Output VSWR	2.5 : 1 ~
Output Spurious (inter-modulation)	-55 [max] dBm
DC Power	10 ~ 20/150 [max.] DCV/mA
Working Temperature	- 30 ~ + 60 °C
Output Impedance	75 Ω
Polarity, Band & Sat Select 16°E	DiSEqC1.0: Sat A
Polarity, Band & Sat Select 13°E	DiSEqC1.0: Sat B
Polarity, Band & Sat Select 19.2°E	DiSEqC1.0: Sat C

IV3524 - IV3538 Single Monoblock 60mm LNB

IV3524
Twin Monoblock
23mm LNB

IV3538
Single Monoblock
60mm LNB

Main Features:

- Low phase Noise HDTV-DVBS2 compliant
- Low Noise figure
- Low Power consumption
- Very high Cross-Pole performance
- Very high Frequency stability
- Low Noise figure of 0.2 dB (only for 3524)

SPECIFICA	IV3524	IV3538
Low Band Input Frequency Range	10.7 ~ 11.7 GHz	
O/P Frequency Range	950 ~ 1950 MHz	
LO Frequency	9.75 GHz	
High Band Input Frequency Range	11.7 ~ 12.75 GHz	
High Band Output Frequency Range	1100 ~ 2150 MHz	
LO Frequency	10.6 GHz	
Noise Figure	0.2 dB typ. (0.7dB max.)	
Phase Noise @ 10K Hz	- 90 dBc / Hz Max.	- 85 dBc / Hz Max.
Conversion Gain	50 ~ 65 dB	55 ~ 62 dB
Gain Ripple (Over 26 MHz Bandwidth)	± 0.75 dB/27MHz	± 0.75 dB
Gain Variation (Over Full Band)	± 4 dB max.	
Image Rejection	40 dB min.	
1 dB Compression Point (@ Output)	0.0 dBm min.	
Control: Satellite A/B Selection	"DiSEqC 1.0 (Sat A* = Hotbird 13° East, Sat B = ASTRA 19.2° East)"	DiSEqC 1.0: Sat A* = Eastern Satellite Position Sat B = Western Satellite Position)
Cross Polarization Isolation	22 dB min.	
Output VSWR	2.5 : 1	
In-Band Spurious	- 60 dBm Max.	
Current Consumption	150 mA max. @ 11 ~ 20 V	80 mA Max. @ 11 ~ 20 V
Working Temperature	- 30 °C ~ + 60 °C	
Output Impedance	75 Ω	
Output Connector	F-type (female)	
Weight	435 g	220 g
Recommended Dish Size	75 ~ 85 cm (F/D = 0.6)	
Dish antenna LNB holder bracket		60mm Æ
Monoblock Mounting Bracket	23 mm	

IV3625 - IV3626 Dielectric feed Single 23mm LNB

IV3625
Dielectric feed
Single LNB

IV 3626
Dielectric feed
Twin LNB

SPECIFICA	IV3625	IV3626
Low Band Input Frequency Range	10.7 ~ 11.7 GHz	
O/P Frequency Range	950 ~ 1950 MHz	
LO Frequency	9.75 GHz	
High Band Input Frequency Range	11.7 ~ 12.75 GHz	
High Band Output Frequency Range	1100 ~ 2150 MHz	
LO Frequency	10.6 GHz	
Noise Figure	0.2 dB typ. (0.7dB max.)	0.3 dB typ. (0.7dB max.)
Phase Noise @ 10K Hz	- 90 dBc/Hz max.	
Conversion Gain	60 dB min.	
Gain Ripple (Over 26 MHz Bandwidth)	± 0.75 dB/27MHz	± 0.75 dB
Gain Variation (Over Full Band)	± 4 dB max.	
Image Rejection	40 dB min.	
1 dB Compression Point (@ Output)	0.0 dBm min.	
Cross talk	23 dB min.	
Control Signals Ca [V]	11.0 ~ 14.0 V	
Control Signals Cb [H]	16.0 ~ 20.0 V	
Control Signals Cc [Band switching]	22 KHz ± 4 KHz 0.4 V – 0.8 V pp	
Output VSWR	2.0 : 1	
Radiated Interference	- 60 dBm max.	
DC Power	120 mA max. @ 11 – 20V	180mA max. @ 11 – 20V
Working Temperature	- 30 ~ + 60 °C	
Output Impedance (connect to STB)	75 Ω	
Output Connector	F-type (female)	
Weight	151 g	181 g

Main Features:

- Novel slim feed technology
- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross-Pole performance
- High Frequency stability

IV3628 - Dielectric Feed Quattro 23mm LNB

Main Features:

- Novel slim feed technology
- Low Phase Noise, DVB-S2 (HDTV) compliant
- Low Noise Figure
- Low power consumption
- High Cross-Pole performance
- High Frequency stability

SPECIFICA	IV3628
Low Band Input Frequency Range	10.7 ~ 11.7 GHz
O/P Frequency Range	950 ~ 1950 MHz
LO Frequency	9.75 GHz
High Band Input Frequency Range	11.7 ~ 12.75 GHz
High Band Output Frequency Range	1100 ~ 2150 MHz
LO Frequency	10.6 GHz
Noise Figure	0.2dB typ. (0.7dB max.)
LO Phase Noise @ 10K Hz	-90 dBc/Hz max.
Conversion Gain	60 dB min.
Gain Ripple	± 0.75 dB/27MHz
Gain Variation	± 4 dB
Image Rejection	40 dB min.
1 dB Compression Point	0.0 dBm min.
Crosstalk Isolation	23dB min.
Output VSWR	2.0 : 1
Radiated Interference	- 60 dBm max.
DC Power	200mA max. @ 11 – 20V
Working Temperature	- 30 ~ + 60 °C
Output Impedance	75 Ω
Output connector	F-type (female)
Weight	344 g

J9725 - Multiswitch Wideband 2xdCSS/SCR/Legacy+DTT

NEW ITEM

SPECIFICA	J9725
Trunk inputs	2 SAT + 1 TERR/FM/DAB
Trunk outputs	2 (TERR. + Legacy + SCR)
Input Frequency	Terr. 5 ~ 862 MHz / SAT: 290 ~ 2340 MHz
Output Frequency	5 ~ 862 MHz / 950 ~ 2150 MHz
Input/output connector	75 Ω F-type (Female)
dCSS/dSCR UBs	16 + 16
dCSS/dSCR output level	85 dBµV
Return loss	≥ 8 dB (typ. 12)
Satellite loss	Not applicable, AGC (automatic Gain control)
Terrestrial/CABLE LOSS	-4 DB
Band and polarity selection	Universal LNB voltage & Tone DiSEqC 1.0 (unidirectional) DiSEqC 2.0 (bidirectional) Standard EN50494 (SCD) EN50607 (SCD2) I SKY UK standard
Max DC current consumption	< 350 mA @13Volt | < 320 mA @13Volt
Power supply	From STB to LNB
Operating temperature	-20° to +50°C
Dimensions	65 x 100 x 30 mm Indoor unit 120 x 115 x 50 mm Outdoor unit

Main Features:

- Designed for Pre-Wired dwellings with Wideband LNBs and Terrestrial and Radio antennas
- 3 inputs: 2 Satellite cables (Wideband LNB) + 1 Terrestrial cable
- 2 outputs with 16 user bands each
- multistandard: EN50494 – EN50607 – SKY – Legacy – Terr.
- supporting New Build Developers and also for Retro-Fitting
- makes all digital platforms available to residents
- upgrade to Sky Q without changing your existing quadplex wall socket
- for indoor use and outdoor use

2 SATELLITE INPUTS, SKY Q COMPATIBLE , 2 OUTPUTS WITH EACH 16 USER BANDS

Upgrade to Sky Q without changing your existing quadplex wall socket. The 9725 SFU dCSS Switch converts a wideband signal to dCSS so you can connect any digital Set-Top box – such as Sky Q, Sky+, FreeSat or Freeview – without changing your in-home wall socket.

J9731 - J9732 Digital SCR Solutions Multiswitch

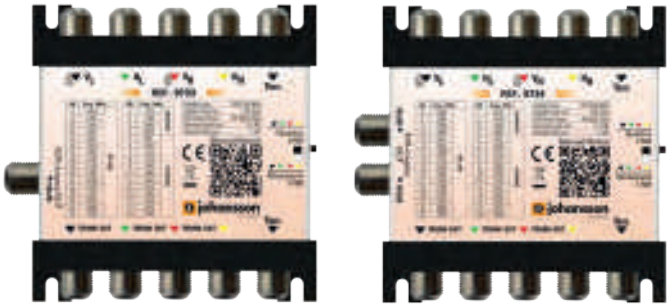
SPECIFICA	J9731	J9732
Trunk inputs	4	
Trunk outputs	4	
Frequency	950 MHz ~ 2150 MHz	
Trunk loss	3 dB	
dCSS/dSCR outputs	1	2
dCSS/dSCR output connector	75 Ω F-type (Female)	
dCSS/dSCR UBs	16	16 + 16
dCSS/dSCR output level	85 dBµV	
Return loss	≥ 8 dB (typ. 12)	
Tap loss	Not applicable, AGC (automatic Gain control)	
Band and polarity selection	DiSEqC 1.0 (unidirectional) DiSEqC 2.0 (bidirectional) Standard EN 50494 (SCD) Standard EN 50607 (SCD2) SKY UK standard	
Max DC current consumption	< 300 mA @13Volt	< 320 mA @13Volt
Power supply	From STB, power inserter or trunk (VL)	
Power inserter (2460 + 9669 available separately)	3A, 20 V	
Dimensions	90 x 80 x 40 mm	

Main Features:

- up to 16 UBs per SCR Output
- supports all SCR standards
- ultra compact housing
- trunk output for cascading multiple products
- available for different operator user bands
- J9731: SKY Approved
- J9732: SKY Compatible

Unitron offers a wide range of multiswitches with integrated 'SCR' technology. With those multiswitches, you can connect multiple set-top boxes for multi-room applications to numerous satellites using one coaxial cable only!

J9733 - J9734 Digital SCR Solutions Multiswitch



SPECIFICA	J9733	J9734
Trunk inputs	4 + 1	
Trunk outputs	4 + 1	
Frequency	5 MHz ~ 862 MHz / 290 MHz ~ 2340 MHz	
Trunk loss	31 dB	
dCSS/dSCR outputs	1	2
dCSS/dSCR output connector	75 Ω F-type (Female)	
dCSS/dSCR UBs	16	16 + 16
dCSS/dSCR output level	85 dBµV	
Return loss	≥ 8 dB (typ. 12)	
Tap loss	Not applicable, AGC (automatic Gain control)	
Band and polarity selection	Universal LNB voltage & Tone DiSEqC 1.0 (unidirectional) DiSEqC 2.0 (bidirectional) Standard EN50494 (SCD) EN50607 (SCD2) I SKY UK standard	
Max DC current consumption	< 350 mA @13Volt	< 320 mA @13Volt
Power supply	From STB, power inserter or trunk (VL&VH)	
Power inserter (2460 + 9669 available separately)	3A max, 20 V	
Dimensions	92 x 90 x 40 mm	

Main Features:

- input for 1 universal LNB or 2 wideband LNBs (switchable)
- up to 16 UBs per SCR output
- auto detection for SCR and Legacy Mode
- possibility to convert wideband inputs into Legacy outputs
- support all SCR Standards
- compatible with all Legacy STBs
- passive terrestrial/cable diplexer
- low power Sleep Mode
- ultra compact housing
- trunk output for cascading multiple products
- available for different operator user bands
- see page 51 for application scheme

The 9733/ 9734 has 4 satellite wideband input (for 1 quattro or 2 wideband LNB), passive terrestrial diplexer, 2 outputs with each 16 user bands.

J9739 - Digital SCR Solutions Multiswitch Add-on

SPECIFICA	J9739
Inputs	4 ports Terrestrial + Satellite
Input frequency	5 – 862 MHz / 950 – 2150 MHz
STB output frequency	5 – 862 MHz / 950 – 2150 MHz
dCSS/dSCR outputs	2 legacy only 2 SCR/legacy (auto detection)
dCSS/dSCR output connector	75 Ω, F type (Female)
dCSS/dSCR UBs	16 per SCR output
dCSS/dSCR output level	88 dBµV
Satellite input power level	64 ~ 94 dBµV
Return loss	≥ 8 dB (typ 12)
Tap loss	SCR: Not applicable, AGC (automatic Gain control) Legacy: 0 dB typical
Terrestrial/Cable loss	-7 dB typical
Band and polarity selection	DiSEqC 1.0 (unidirectional), DiSEqC 2.0 (bidirectional) Standard EN 50494 (SCD), Standard EN 50607 (SCD2)
Max DC current consumption	SCR/Legacy ports: < 4,2 W Legacy ports only: < 2 W
DC power pass from STB to input ports	13 V / 18 V / 22 kHz 100 mA max per port
From DC power port to input ports	13 V / 18 V / 22 kHz 100 mA max per port 1A max to HL port
Power supply	From STB or power inserter
Power (2460 available separately)	300 mA max, 20V
Dimensions	90 x 85 x 40 mm

Main Features:

- no need to interrupt the trunk signal during installation;
- make a legacy system compatible with two times 16 user bands;
- supports the following standards:
  - EN50494/SCR standard (DiSEqC 1.0)
  - EN50607/dCSS/dSCR standard (DiSEqC 2.0)
  - Simultaneous support for EN50494/EN50607 standards
  - SKY UK standard

The J9739 can be used with Quattro or Quad LNB types and will output in Legacy or SCR mode.
Use the Multiswitch Add-on to change a legacy Multiswitch to a Channel Stacking Switch (CSS) without loss of existing legacy ports.
Concretely, you can use the Multiswitch Add-on to upgrade your legacy Multiswitch system and make the latest generation of SCR set-top boxes (STB) available in 2 Single Family Units (SFUs) per Add-on.
You can also use this Multiswitch Add-on to transform a Fiber GTU signal to a SCR GTU signal.

J9754 - J9758 Digital SCR Solutions dSCR Multiswitch

Main Features:

- 4 satellite + 1 terrestrial inputs
- multi-standard: wideband, dSCR, dCSS, legacy, terrestrial
- 4-way (9754)
- 8-way (9758)
- optimized performance and power consumption
- compact die-cast housing for easy installation

SPECIFICA	J9754	J9758
Trunk inputs	Sat: 4 I Terr: 1	
Trunk outputs	Sat: 4 I Terr: 1	
dSCR outputs	4	8
Frequency	Sat: 290 ~ 2340 MHz Terr: 88 ~ 862 MHz	
Min input level SAT	Universal LNB: 62 dBµV Wideband LNB: 67 dBµV	
Trunk return loss	> 10 dB	
Trunk insertion loss	Sat: 2 I Terr: 1.5	
Sat positions	Universal LNB: 1 Wideband LNB: 2	
dSCR channel output power	88 dBµV (AGC controlled)	
Output return loss	> 10 dB	
Terr tap loss	18 dB	22 dB
Supported standards	EN50494 (SCD) I EN50607 (SCD 2) I BskyB I Legacy Trunk termination	
Trunk termination DC blocked required	75 Ω (Sat & Terr)	
DC power via SAT trunks	20 V	
Consumption	10 W	20 W
Operating temperature	-20°C ~ 50°C, indoor housing	
Dimensions	124 x 117 x 39 mm	204 x 117 x 39 mm

J9754A - J9758A Digital SCR Solutions dSCR Multiswitch

Main Features:

- 4 satellite + 1 terrestrial inputs
- multi-standard: wideband, dSCR, dCSS, legacy, terrestrial
- 4-way (9754)
- 8-way (9758)
- optimized performance and power consumption
- compact die-cast housing for easy installation

SPECIFICA	J9754A	J9758A
Trunk inputs	Sat: 4 - Terr: 1	
dSCR outputs	4	8
Frequency	Sat: 290 ~ 2340 MHz Terr: 88 ~ 862 MHz	
Min input level SAT	Universal LNB: 62 dBµV Wideband LNB: 67 dBµV	
Max input level SAT	Universal LNB: 106 dBµV Wideband LNB: 106 dBµV	
Max input level TERR	Ampli: 109 dBµV Bypass: 121 dBµV	
Trunk return loss	> 10 dB	
Trunk insertion loss	Sat: 2 dB Terr: 1.5 dB	Sat: 4 dB Terr: 3 dB
Sat positions	Universal LNB: 1 Wideband LNB: 2	
dSCR channel output power	88 dBµV (AGC controlled)	
Output return loss	> 10 dB	
TERR tap loss	Bypass: 20dB Ampli: 8 dB	Bypass: 24dB Ampli: 12 dB
Supported standards	EN50494 (SCD) - EN50607 (SCD 2) BskyB - Legacy Trunk termination	
Trunk termination DC blocked required	75 Ω (Sat & Terr)	
DC power via SAT trunks	20 V	
Consumption	10 W	20 W
Operating temperature	-20°C ~ 50°C, indoor housing	
Dimensions	124 x 117 x 39 mm	204 x 117 x 39 mm

J9646 - Wideband to Quattro Converter

This wideband to quattro converter makes it possible to upgrade a complete system to a wideband application, without disabling the homes that do not have wideband tuners.

J2460 - J2499L Digital SCR Solutions Power Supply

SPECIFICA	J2460	J2499L
Input voltage	100 ~ 240 VAC	
Output voltage	20 VDC	
Output current	3,25 A	1,2 A
Output Connector	F-type	
Dimensions	115 x 55 x 35 mm	90 x 90 x 35 mm

These power supplies are designed to power the trunk lines or the DC input connector.

Main Features:

- DC power supply with F-connector
- powers SCR products without overloading the set-top boxes.

J9669 - Digital SCR Solutions Power Inserter

The power inserter enables you to add DC-power on to a coaxial cable.
dSCR power inserter for trunk powering

SPECIFICA	J9669
Frequency range	250 ~ 2340 MHz
Insertion loss	1 dB
DC power pass	3,25 A
Dimensions	61 x 51 x 16 mm

J2461 - Digital SCR Solutions Power Supply

Main Features:

- powers SCR products without overloading the set-top boxes
- copies the set-top box voltage, tone and DiSEqC to the SCR product (EN50494 and EN50607)

SPECIFICA	J92461
Inputs	1
Outputs	2
Frequency range	950 ~ 2150 MHz
Insertion loss	6 dB
Return loss	> 10 dB
Input voltage	100 ~ 240 VAC
Output voltage	18 VDC
Output current	500 mA
Dimensions	110 x 94 x 41 mm
Supported standards	EN50494, EN50607

J9935 - J9654 Digital SCR Solutions Satellite IF Amplifiers

J9935:
- separate adjustment for sloped gain on every line
- DC input for powering trunk line amplifiers & LNB
- works from 12 to 20 VDC

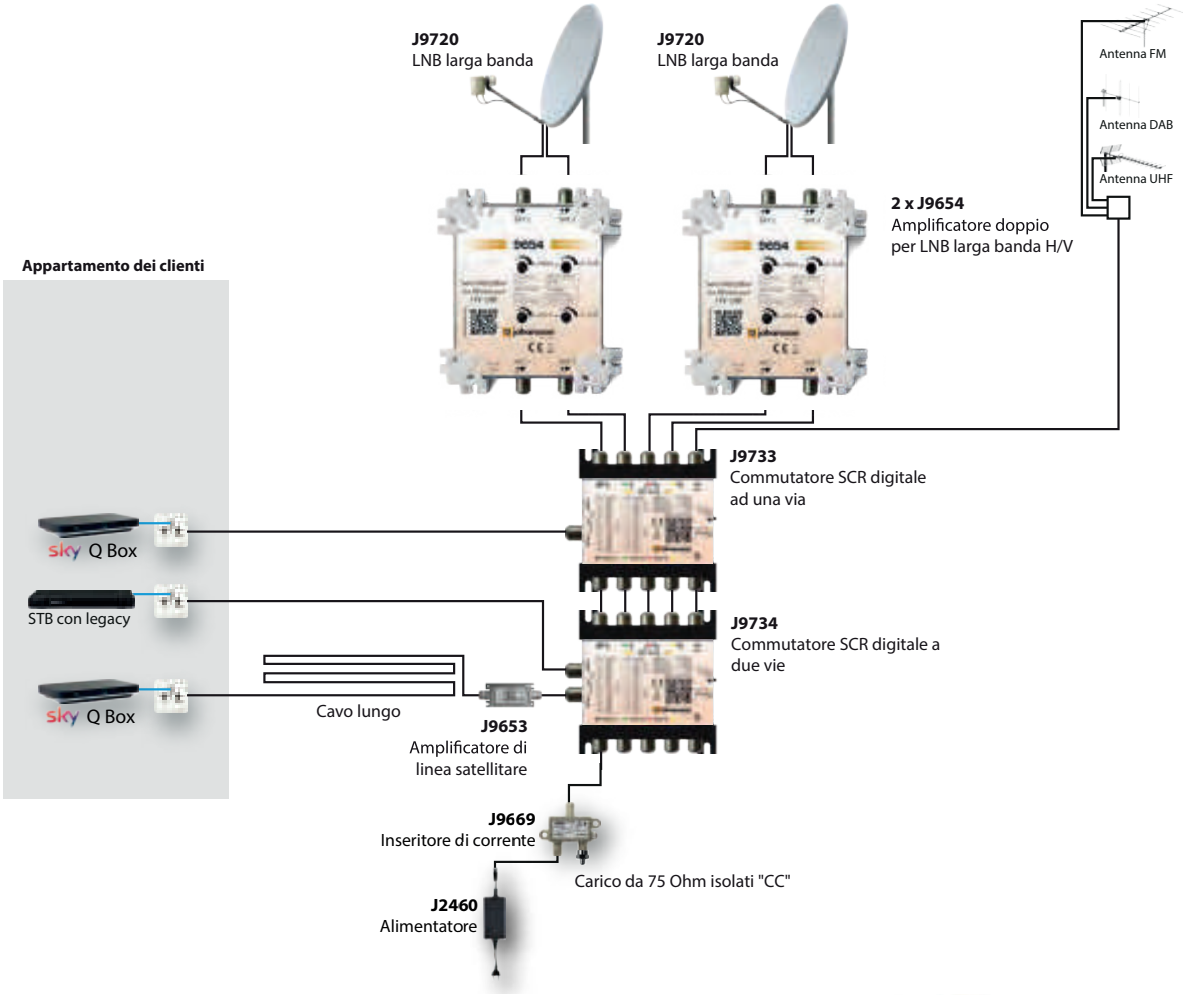
J9654:
- compatible with Wideband LNBs
- separate adjustment for sloped gain on every line
- DC input for powering trunk line amplifiers & LNB
- works from 12 to 20 VDC

J9655:
Wideband 2 Way Splitter + TER

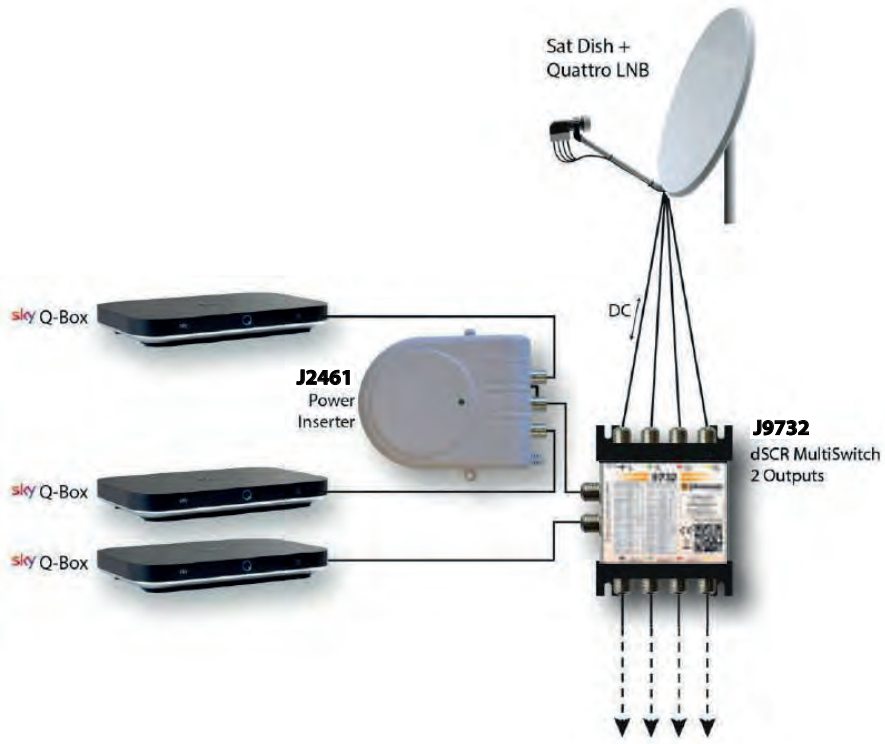
J9657:
- Automatic Gain Control and Automatic Slope Control on both satellite lines (V/H)
- DC input for powering amplifier and LNB
- Selectable between Wideband LNB (290 - 2400 MHz)
- Output level selectable for up to 16 splits or 64 splits
- Optional power supply (ref. 9933)

SPECIFICA	J9935	J9654	J9657
Inputs	4 SAT + 1 TERR	2 SAT	2 SAT (V/H)
Outputs	5	2	2 SAT (V/H)
Frequency range	Sat.: 950 ~ 2300 MHz Terr.: 5 ~ 65 MHz + 87 ~ 862 MHz	290 ~ 2340 MHz	290 ~ 2400 MHz (Wideband)
Gain	Sat.: 20-25 dB(sloped) Terr.: 87-862 MHz - 20 -27 dB (sloped) return path: - 1 dB	30 dB	20 dB
Noise figure	Sat.: 5 dB | Terr.: 6 dB	5 dB	5 dB
Gain adjustment	Sat.: 20 dB | Terr.: 20 dB	15 dB	20 dB (Automatic Gain Control)
Slope adjustment	-	15 dB	15 dB (Automatic Slope Control)
Max. Output level	Sat.:110 dBµV (-35 dB/IM3) Terr.: RP: passive 87-862 MHz: 114 dBµV (-54 dB/IM3)	110 dBµV (-35 dB/IM3)	70 or 80 dBµV per transponder (selectable)
Consumption	200 mA 12 - 20 VDC external power supply or input/output	150 mA 12 - 20 VDC external power supply or input/output	150 mA from 20 VDC external power supply or input/output
Dimensions	158 x 102 x 51 mm	129 x 114 x 51 mm	129 x 114 x 51 mm

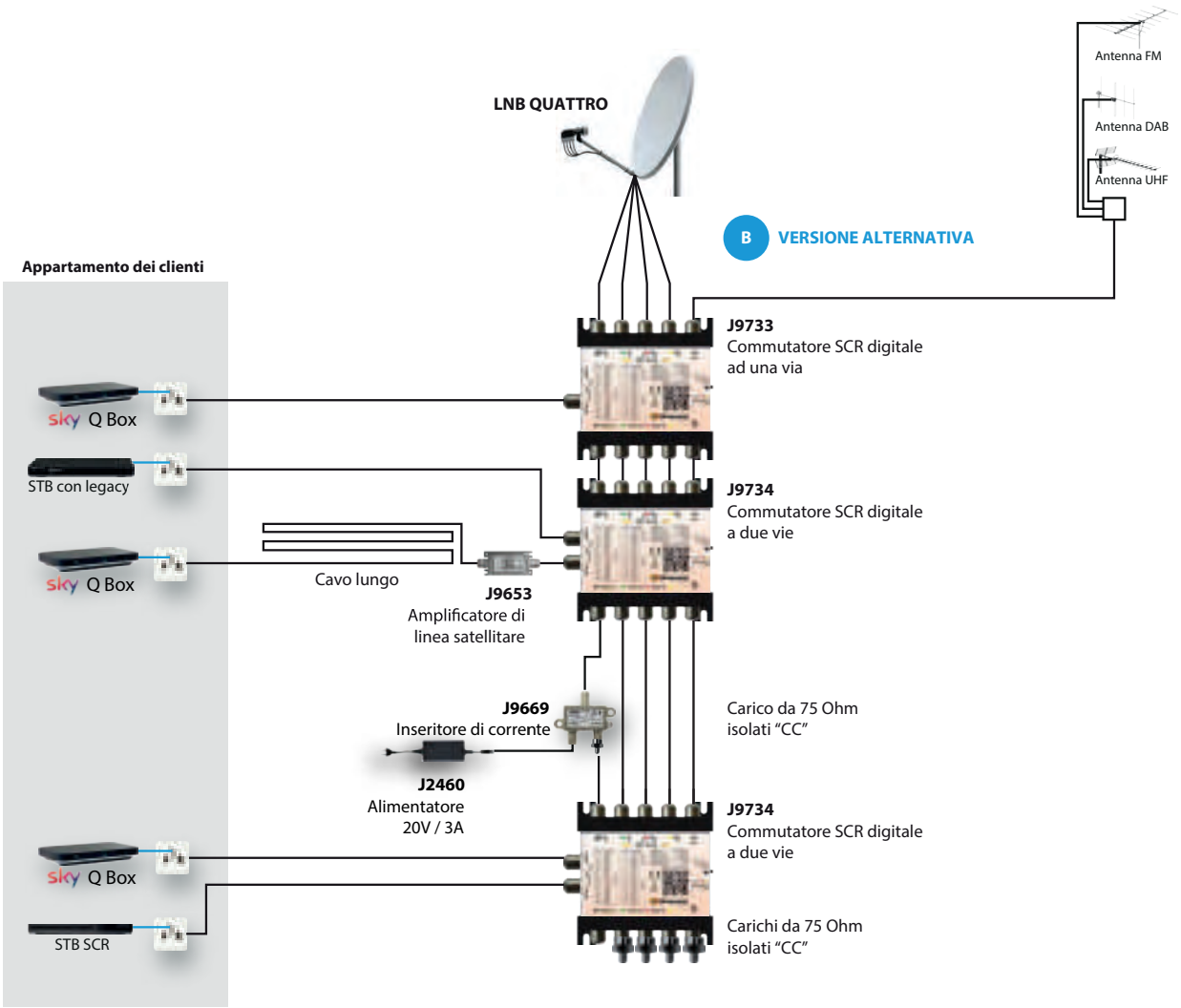
Installazione LNB banda larga

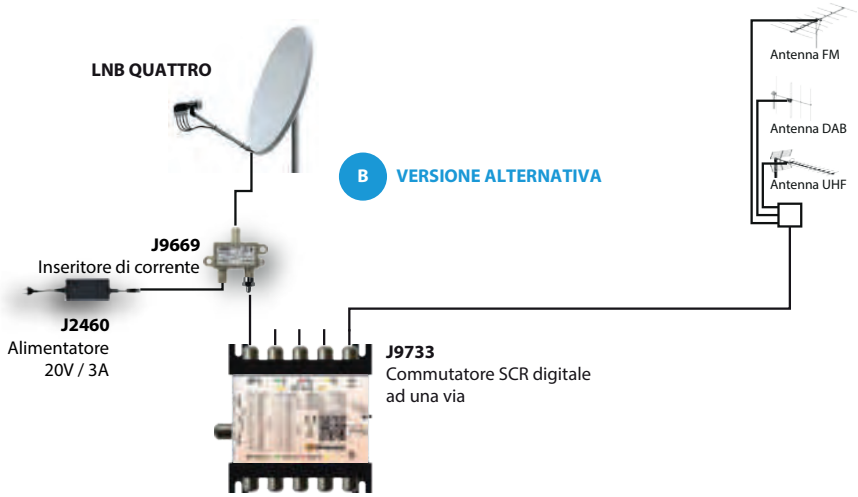


Installazione inseritore di corrente



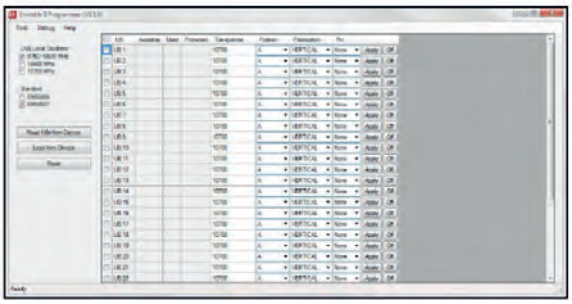
Installazione LNB Quattro

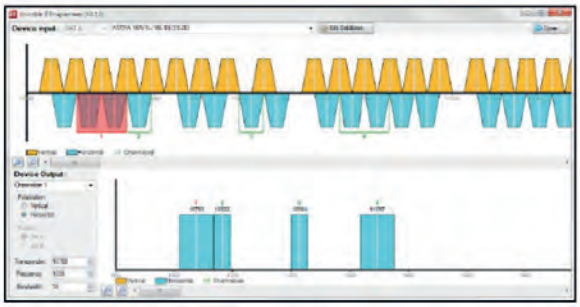


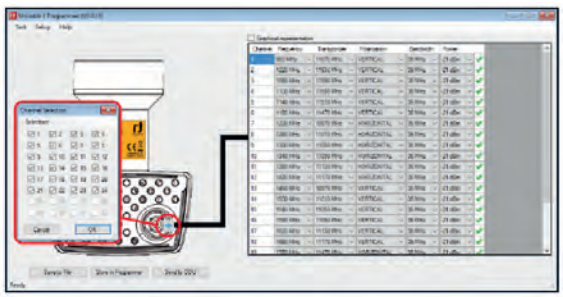


IV5393 - Unicable II Programmer

SPECIFICA	IV5393
Display and keys:	
Activity LED	- Yellow blinking: Communication activity between ODU and Programmer - Green: Configuration files in ODU and Programmer are identical
Power LED	Red: The Programmer is powered over the USB connection Orange: The Programmer is powered over the 12V DC input
Button	Short press: Transmit a configuration file stored in the Programmer to the ODU device Long press: Download the configuration file of the ODU and compare to a file stored in the Programme
Power consumption	
Programmer only	5VDC, 50mA (can be powered over the USB interface)
ODU power	13V-18V, 600mA max. - powering and programming of an ODU device requires use of the supplied AC/DC adapter
AC/DC adapter	
Input voltage	100-240VAC, 50/60Hz, 0.8A max.
Output voltage	12VDC
Output current	2A
Short circuit protection	Yes
Low Voltage Directive	2014/35/EU
Electromagnetic Compatibility Directive	2014/30/EU
Eco-Design Directive	2009/125/EC
Others	
Interfaces	1x Satellite IF, F-type 1x Satellite IF loop-through out, F-type 1x USB (Type-B)
Loop-through loss	1dB max.
Control protocols	DiSEqC™ commands extension according to CENELEC EN50494 and/or EN50607, DiSEqC2.0.

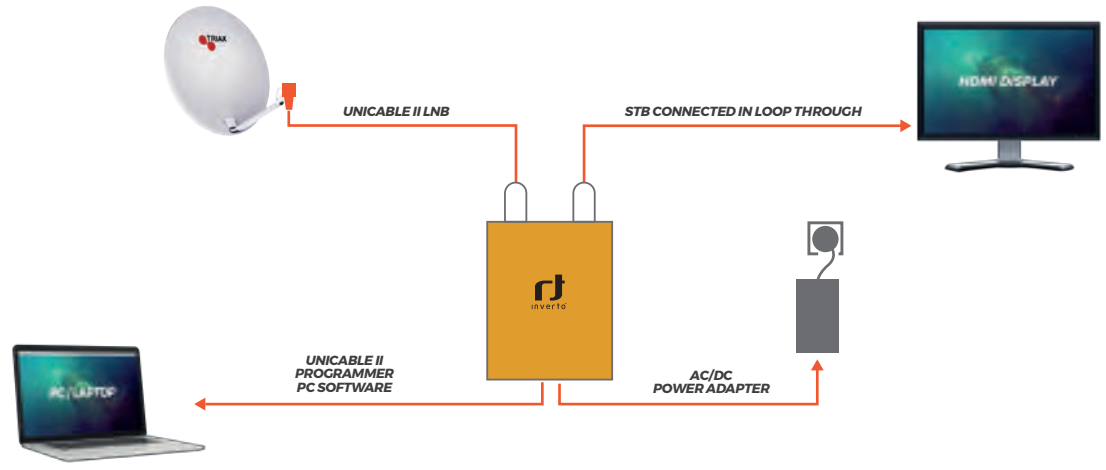




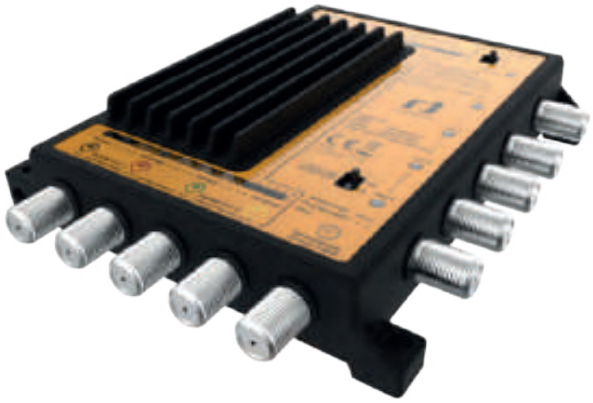


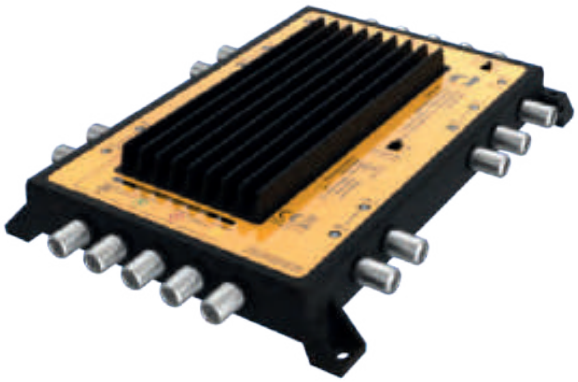
IV5393

SCHEMA COLLEGAMENTO



IV5413 - IV5458 Unicable II multiswitch with 4 and 8 auto-detect output ports



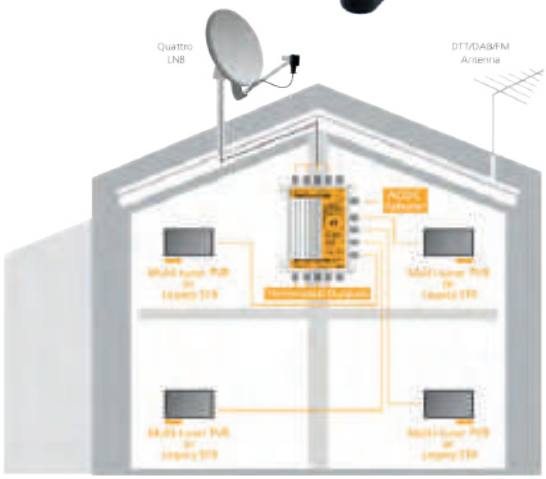


SPECIFICA	IV5413	iV5458
Frequency range: satellite	Quattro LNB: 950 MHz ~ 2150MHz (Standard) Wideband LNB: 300 MHz ~ 2350MHz	
Frequency range: terrestrial	47 MHz ~ 862 MHz	
Inputs	4x IF inputs: From 1x Quattro LNB (default) From 2x Wideband LNBs 1 x UHF/VHF input from Terrestrial antenna	
Outputs	4x Loopthrough satellite IF outputs* 1x Loopthrough terrestrial output 4x auto-detect Unicable II / Legacy output ports with combined terrestrial signal. Default behavior: Legacy mode on power up, auto-switch to Unicable II™ dynamic mode upon receiving an EN50494/ EN50607 command.	4x Loopthrough satellite IF outputs* 1x Loopthrough terrestrial output 8x auto-detect Unicable II / Legacy output ports with combined terrestrial signal. Default behavior: Legacy mode on power up, auto-switch to Unicable II dynamic mode upon receiving an EN50494/EN50607 command
Input power range	-50 dBm ~ -5 dBm	
Output signal level (AGC)	-25 dBm (83 dBuV)	
RF isolation: satellite/terretsrial (input)	25 dB min.	30 dB min.
RF isolation: satellite/satellite (input)	25 dB min.	30 dB min.
RF isolation: satellite ch/ch (UBs, output)	28 dB min.	30 dB min.
Loop-through loss: satellite	4dB max. (loss)	
Loop-through loss: terrestrial	8 dB max. (loss) [amplification=OFF] 8 dB min. (gain) [amplification=ON]	8 dB @ 400~600 MHz (12 dB max.) (loss) [amplification=OFF] +11 dB @400~600 MHz (+7 dB min.) (gain) [amplification=ON
Gain: Unicable II™ (dCSS) output (out of AGC)	25 dB min.	
Gain: terrestrial signal	-27 dB [amplification = OFF] 9 dB [amplification = ON]	-19 dB @ port 4 over 400~600MHz (-25 dB min.) [amplification = OFF] +1 dB @ port 4 over 400~600MHz (-9 dB min.) [amplification = ON] * 1dB difference between adjacent ports, -1 dB from port 1 through to port 8
Integrated phase noise	1.5° max.	
Control protocols	EN50494 (SatCR), EN50607 (dCSS), DiSEqC1.0/2.0, 13 V/18 V + 0 kHz/22 kHz	
Legacy port switching	V/L => 13 V/0 kHz , V/H => 13 V/22 kHz H/L => 18 V/0 kHz , H/H => 18 V/22 kHz	
Input/Output impedance	75 Ω (F-type)	
LNB power supply	500 mA max. @ 18 VDC	
Power consumption	600 mA ~ 900 mA @10 VDC ~ 20 VDC max.	1200 mA @ 19 VDC (no load)
Working temperature	-20 °C ~ +50 °C	
IP protection	IP54	
Product dimensions (W x D x H)	15.2 cm x 11 cm x 2.6 cm	210 mm x 146 mm x 3.7 mm
Weight	280 g	500 g

PRODOTTO CORRELATO IV5393

PRODOTTO CORRELATO SAT PAL

IV5294 - Multiswitch Unicable II dCSS Cascade Wideband



SPECIFICA	IV5294
Frequency range: satellite	- Quattro LNB: 950 MHz ~ 2150 MHz (default) - Wideband LNB: 300 MHz ~2350 MHz
Frequency range: terrestrial Inputs	47 MHz ~ 862 MHz 4x IF inputs: - for 1x Quattro LNB (default) - or 2x Wideband LNBs 1x UHF/VHF input for terrestrial antenna
Outputs	4x Loopthrough satellite IF outputs 1x Loopthrough terrestrial output 1x Unicable II (dCSS/EN50607) output, dynamic (default) or statis mode, supporting up to 32 UBs. With combined terrestrial signal. 1x Universal (Legacy) by default upon power up, auto switch to Unicable II™ upon receiving EN50494/ EN50607 command. With combined terrestrial signal
Output signal level (AGC)	Configurable (default -25 dBm)
RF isolation: satellite/terrestrial (input)	25 dB min.
RF isolation: satellite ch/ch (UBs, output)	28 dB min.
Loop-through loss: satellite	3 dB max.
Gain: Unicable II™ (dCSS) output (out of AGC)	25 dB min.
LO phase noise @ 1 kHz	-80 dBc/Hz max.
Integrated phase noise	1.5° max.
Control protocols	DiSEqC1.x/DiSEqC2.0, EN50494/EN506
Legacy port switching	V/L => 13 V/0 kHz , V/H =>13 V/22 kHz H/L => 18 V/0 kHz , H/H => 18 V/22 kHz
Input/Output impedance	75 Ω (F-type)
LNB power supply	300 mA max. @ 13 VDC ~ 18 VDC
Power consumption	500 mA @ 13 VDC max.
Working temperature	-20 °C ~ +60 °C
IP protection	IP54
Product dimensions (W x D x H)	11.35 cm x 11.05 cm x 20.8 cm
Weight	165 g

PRODOTTO CORRELATO
IV5393

IV5346 - IV5582 Power supply

SPECIFICATION	IV5346	iv5582
Input voltage	100 VAC ~ 240 VAC	
Input frequency	50 Hz/60 Hz	
Output voltage	19 VDC	20 VDC
Output current	0.94 A max.	3.25 A
Output connector	F-type (male)	
Cable length	DC: 1.5 m	AC: 1.8 m, DC: 1.5 m
Product dimensions	7 cm x 4.8 cm x 6 cm	12.1 cm x 5.35 cm x 3.2 cm
Working temperature	0 °C ~ +40 °C	-5 °C ~ +45 °C
Weight	150 g	250 g

J8203 - HDMI Modulator

SPECIFICA		J8203
INGRESSO HDMI		
RISOLUZIONE VIDEO	-	576i fino a 1080p
CODIFICA VIDEO	-	H264/AVC
CODIFICA AUDIO	-	MPEG1 Layer II / AAC
TIPO DI CONNETTORE	-	HDMI Tipo A
INGRESSO RF		
FREQUENZA	MHz	174-790
PERDITA ALL'USCITA RF	dB	2
USCITA RF (= SEGNALE RF IN INGRESSO + TRANSPONDER HDMI MODULATO)		
FREQUENZA DEL CANALE MODULATO	MHz	790
LIVELLO DI USCITA	dBµV	49-79 (regolabile)
MER	dB	Tip. 38

Main Features:

- Converte il vostro segnale locale HDMI in un segnale RF, pronto per la distribuzione su cavi coassiali
- 1 ingresso HDMI, capace di ricevere tutte le risoluzioni fino a 1080p60
- 1 ingresso RF, per by-pass dei segnali terrestri o via cavo
- 1 uscita RF DVB-T
- Immagine perfetta grazie al MER, paragonabile alla dotazione delle altre centrali Johansson
- Ottimizzato per l'utilizzo di più modulatori a cascata sulla vostra rete coassiale

J8600 - Digital Compact Headend Universe

Main Features:

- receives 1 transponder from any DVB source (satellite, terrestrial or cable)
- decrypts the PayTV channels, when a professional CAM is inserted
- puts the demodulated transponder on your private coaxial and IP network
- can work standalone to insert channels in your existing network
- more products can be combined to a make a complete headend:
  - cascadable inputs and outputs
  - remote powering capabilities
- compatible with SD and HD, with MPEG2 and MPEG4
- perfect picture quality thanks to a MER, comparable to premium headend equipment
- Plug&Play thanks to a built-in WebGUI

This Universal Compact Headend enables you to receive any transponder from satellite, terrestrial or cable and put it on your coaxial and IP network.

SPECIFICA	J8600
Input	
Number of inputs	1 with passive loop-through (-2 dB)
Tuners	1
Frequency Range	42 MHz ~ 2150 MHz
Input Level	44 ~ 89 dBµV
Standard	DVB-S/S2 | DVB-T/T2 | DVB-C
DC remote power for LNB or LNA	0 V / 13 V / 18 V / 22 kHz / DiSEqC, EN50494, EN50607 350 mA
Output: RF	
Number of outputs	1 RF with passive loop-through (-2 dB)
Multiplex	1
Frequency range	174 MHz ~ 862 MHz
Output level	57 ~ 102 (adjustable)
Standard	DVB-T | ISDB-T
Modulation error rate (MER)	40 dB
Output: Ethernet	
Number of outputs	1 GB Ethernet
Standard	IEEE 802.3ab 10/100/1000 Base-T
Protocol	Multicast IP / UDP
General	
CI slot	1
Input voltage	12 V ~ 20 V
Power consumption	7 W (without CAM and without remote power)
DC jack	Ø 2.1 mm
Powering remote units	Yes, 1 unit can power other units
Operating temperature	0°C ~ +50°C
Dimensions	222 x 142 x 50 mm
Weight	1,1 kg
Accessories	15 V power adapter, 1 Ethernet cable

J8700 - J8701 - J8703 Digital Compact Headends Titanium

Main Features:

- standalone frame with built-in power supply
- J8700: 4 tuners, 2 CAMs, 4 MUXs
- J8701: 8 tuners, 2 CAMs, 4 MUXs
- J8703: 8 tuners, 4 CAMs, 8 MUXs

Compact headend with 8 tuners and 8 output MUXs (DVT-B/C) / 2CI slots Titanium is our newest compact headend solution that is suitable for small to medium-sized budget-friendly projects. The transmodulator with 8 tuners allows for very fast installation.

SPECIFICA	J8700	J8701	J8703
Input			
Inputs	4 satellite bands 1 x RF in	4 satellite bands 1 x RF in	4 satellite bands 1 x RF in
Tuners	4 tuners (4 transponders)	8 tuners (8 transponders)	8 tuners (8 transponders)
Frequency Range	950 MHz ~ 2150 MHz	950 MHz ~ 2150 MHz	950 MHz ~ 2150 MHz
Level	44 ~ 84 dBµV	44 ~ 84 dBµV	44 ~ 84 dBµV
Bandwidth	36 MHz	36 MHz	36 MHz
Modulation	DVB-S2: QPSK, 8PSK / DVB-S: QPSK	DVB-S2: QPSK, 8PSK / DVB-S: QPSK	DVB-S2: QPSK, 8PSK / DVB-S: QPSK
DC Remote Power at RF Input	13 V / 18 V / 22 kHz	13 V / 18 V / 22 kHz	13 V / 18 V / 22 kHz
Integrated Multiswitch	Yes, allows flexible routing of satellite proframs to multiplexes (QAM or COFDM)	Yes, allows flexible routing of satellite proframs to multiplexes (QAM or COFDM)	Yes, allows flexible routing of satellite proframs to multiplexes (QAM or COFDM)
Configuration	Built-in webserver accessible via management port	Built-in webserver accessible via management port	Built-in webserver accessible via management port
Encoded Programs	From all 4 tuners. Can be routed through 1 or 2 CAMs and can be decoded using multi-service CAMs	From all 8 tuners. Can be routed through 1 or 2 CAMs and can be decoded using multi-service CAMs	From all 8 tuners. Can be routed through 1, 2, 3 or 4 CAMs and can be decoded using multi-service CAMs
Output			
Outputs	1 with 4 MUXs (DVB-T or DVB-C) + 1 loop-through	1 with 4 MUXs (DVB-T or DVB-C) + 1 loop-through	1 with 8 MUXs (DVB-T or DVB-C) + 1 loop-through
DVB-T Output	Up to 31.7 Mbps / MUX	Up to 31.7 Mbps / MUX	Up to 31.7 Mbps / MUX
DVB-C Output	Up to 51.3 Mbps / MUX	Up to 51.3 Mbps / MUX	Up to 51.3 Mbps / MUX
General			
Power Consumption	22 W (excl. external LNBs)	22 W (excl. external LNBs)	22 W (excl. external LNBs)
Dimensions	345 x 70 x 182 mm	345 x 70 x 182 mm	345 x 70 x 182 mm
Operating Temperature	0°C ~ +50°C	0°C ~ +50°C	0°C ~ +50°C

PRODOTTO CORRELATO
IV3405

MIRA - MY WIFI HD

SPECIFICA	MY WIFI HD
Number of inputs	1 x HDMI
Outputs	1x IP Ethernet RJ-45 jack (for streaming+WebGUI) 1 x HDMI (loop-through)
HDMI input	Video resolution : 576i up to 1080p Video encoding : H264/AVC Video bitrate Encoding: from 1 Mbps to 30Mbps Audio encoding : AAC/MPEG2 Audio bitrate Encoding 32 -192 Kbps
Streaming port	10/100 Mbps
Ethernet OTT encapsulation	HLS (Apple HTTP Live Streaming) (unicast)
Ethernet multicasting	Possible to output UDP multicast (requires external IGMP snooping equipment)
Simultaneous users	Up to 50 (depending on the bitrate and the network infrastructure)
Input resolution	Up to 1080p60
Supported playback	All HTML 5 browsers on Android/iPhone/Mac/PC/SmartTV/... No need to install mobile application or additional software
Configuration	Network/login/input encoder settings/output multicast settings
Power consumption	5 W
Operating temperature	0°C ~ +50°C (for indoor use only)
Dimensions	155 x 120 x 60 mm
Weight	0.6 kg

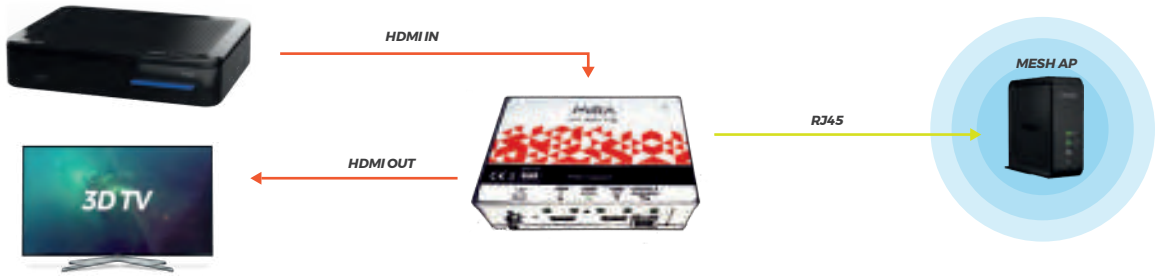
Main Features:

- puts an HDMI video signal on your local network (optimized for Wi-Fi)
- HDMI loop-through for monitoring on a local TV
- does not stress the residential internet connection
- high output video quality
- the bitrate can easily be changed in the configuration interface
- simply surf to the dedicated webpage
- no need to install a mobile application or additional software

The Mira - My Wifi HD is designed for small to medium-sized projects. It puts an HDMI video signal on your local network. This gives the end-user the flexibility to see real-time video content on their preferred (mobile) device: smartphone, tablet, laptop or TV.

MIRA - MY WIFI HD

SCHEMA COLLEGAMENTO 1 AP MESH



MIRA - MY WIFI HD

SCHEMA COLLEGAMENTO WI-FI N° AP MESH

COLLEGAMENTO FINO A 40 APPARATI WI-FI

UTILIZZABILE CON:

MYPLAY HD

MYPLAY HD
MYPLAY HD è un server multimediale, potente ed economico, che converte file PDF, File multimediali, indirizzi WEB o RTSP in canali Digitali Terrestri ed è adatto a tutti i televisori.

MIPLAY HD è appositamente studiato per condomini, hotel, supermercati, palestre: tutte strutture che spesso hanno bisogno di comunicare diversi contenuti, contemporaneamente e in modo rapido, ai loro clienti/abitanti.

MYPLAY HD - Dashboard Web facile da usare

MYPLAY HD - Applicazioni

PLAYER

- Fino a 40 file PDF che saranno convertiti in filmati su canali TV
- Tempo di visualizzazione regolabile
- I PDF possono avere un massimo di 15 pagine
- I PDF possono essere gestiti con funzione palinsesto (minuti, ore, giorno, settimana, 2 settimane)
- I files possono essere trasferiti via rete locale o internet
- È possibile usare il nostro server 4ddns.eu per caricare i files e identificare ogni singolo box nella rete
- I PDF sono salvati all'interno di ogni singola unità ottenendo in tal modo un risparmio di banda e di dati

VIDEO

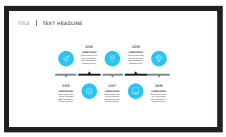
- La sezione video supporta gli indirizzi WEB o RTSP real time streaming protocol
- Si possono visualizzare contenuti WEB o RTSP in risoluzione FULL HD
- L'indirizzo WEB può SOLO essere visualizzato direttamente sul TV
- La stringa RTSP può essere una telecamera IP o l'uscita di un NVR / TVCC
- Le immagini di questa sezione non possono essere registrate in accordo con la legge sulla privacy
- Real Time Streaming Protocol è il formato standard dei contenuti WEB

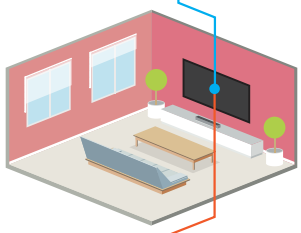
MOVIE

- Myplay gestisce, come formato standard, i file Transport Stream .TS
- Si possono salvare file fino a 6Gb in formato 1080P
- I file .TS salvati possono essere letti in modalità continua e sequenziale
- I file .TS File possono essere caricati direttamente dalla porta USB del MIPLAY HD o via internet da remoto con un indirizzo IP dinamico tramite il nostro server 4ddns.eu
- I file .TS sono trasferibili anche tramite rete locale da qualsiasi PC o tablet o smartphone
- I file possono essere schedulati e gestiti con funzione palinsesto

INFORMAZIONI DI SICUREZZA

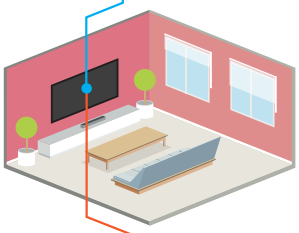
INFORMAZIONI CONDOMINIALI





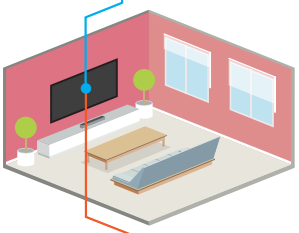
APPARTAMENTO 1 - CANALE 900
Slideshow che presenta i programmi e i lavori in programma per il condominio.

TVCC DAL PARCHEGGIO



APPARTAMENTO 1 - CANALE 915
Immagini dall'impianto TVCC del condominio

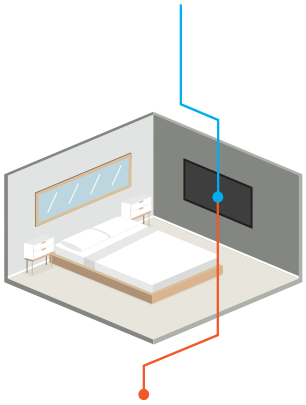
VIDEO TUTORIAL PER UTENTI



APPARTAMENTO 1 - CANALE 920
Video Tutorial

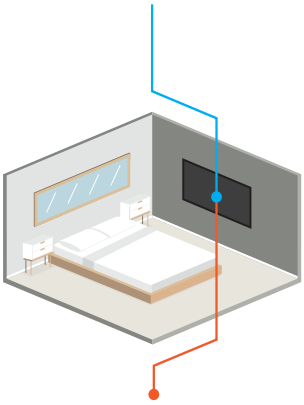
INFORMAZIONI AI CLIENTI

COSA OFFRE LA STRUTTURA



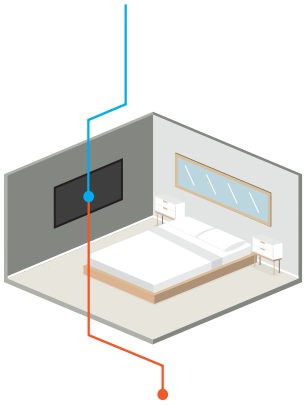
STANZA 120 - CANALE 900
Slideshow che presenta l'hotel e tutti i servizi della struttura a disposizione del cliente

COSA SI TROVA NELLE VICINANZE



STANZA 210 - CANALE 910
Canale video / web: si proiettano video dalla rete o riguardanti anche zone di interesse prossime alla struttura

INTRATTENIMENTO



STANZA 330 - CANALE 915
Si proietta un film FULL HD caricato direttamente sul MIPLAY HD

MIRA 8x8 - Centrali digitali compatte - 8 ingressi - 8 MUX uscita

GESTIONE TOTALE REMOTA

- Selezione ingressi e satelliti
- Selezione canali in ingresso
- Selezione MUX di uscita
- Composizione MUX di uscita
- Programmazione LCN
- Scelta servizi CAM CI
- Livelli di uscita e diagnosi

MIRA 8x8 - Pre-programmazioni disponibili

PROGRAMMAZIONI	
Pro 1	43 canali SD (43 SD Free) 13°/19°
Pro 2	40 canali SD/HD (35 SD + 5 HD Free) 19°
Pro 3	57 canali SD (27 Tivùsat + 30 Free) 13°/19°
Pro 4	36 canali SD/HD (25 SD + 11 HD Free) 13°
Pro 5	32 canali SD/HD (12 HD + 9 SD Tivùsat e 4 SD + 7 HD Free) 13°

MIRA 8x8 - Specifiche

La nuova centrale compatta **MIRA XS88CI**, omologata Tivùsat, rappresenta la soluzione di punta per la distribuzione di un elevato numero di servizi. La centrale dispone di 8 ingressi indipendenti, in grado di ricevere programmi SD e HD da 8 transponder diversi. Grazie ad 8 MUX COFDM, è possibile distribuire un alto numero di contenuti, anche codificati, mediante l'utilizzo di 4 slot Common Interface di tipo Flex-CAM, in grado di decriptare fino a 10 programmi ognuno. La migliorata capacità di elaborazione garantisce alte prestazioni e nuove funzionalità di gestione avanzata.

Remultiplexing e flessibilità: Ogni servizio ricevuto da uno degli 8 ingressi può essere associato ad uno qualsiasi degli 8 MUX di uscita. La centrale MIRA XS88CI dispone di due modulatori indipendenti, capaci di generare fino a 4 MUX DVB-T ciascuno. I due Multiplexer di uscita sono composti da 1 a 4 MUX adiacenti e sono liberamente programmabili nelle bande TV. Grazie alla tecnologia Flex-CAM, è possibile decriptare servizi provenienti da qualunque ingresso ed inviarli liberamente ad una delle quattro CAM disponibili.

Filtraggio PID: Per ogni servizio scelto, è possibile selezionare quali PID trasferire in uscita, in modo da ottimizzare l'utilizzo della banda del canale, consentendo un numero più elevato di servizi.

PID Remapping (Modalità hotel): E' possibile configurare per ogni uscita una lista di servizi predefinita, con i parametri NIT, TSID, PID e LCN fissi. In questo modo, le operazioni di aggiunta o rimozione di servizi su un'uscita sono trasparenti per l'utente, perché non comportano la risintonizzazione dei televisori ad ogni modifica.

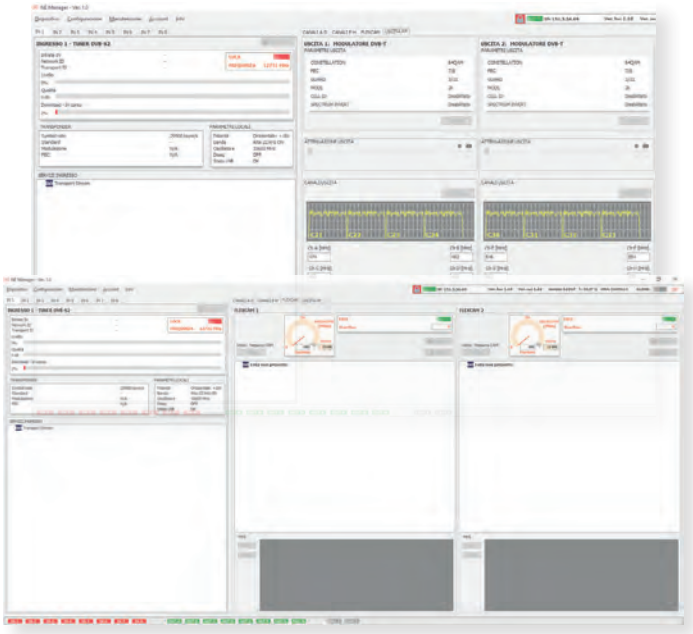
Programmazione evoluta e controllo remoto: La programmazione avviene tramite porta Ethernet RJ45, utilizzando il nuovo software NE Manager. Il controllo è possibile sia da rete locale che da remoto, utilizzando un account personale sul Cloud MIRA. Attraverso la nuova grafica del software, è possibile eseguire una rapida programmazione ed il monitoraggio completo dell'apparato, senza dover riconfigurare la rete LAN a cui è connesso l'apparato.

Salvataggio configurazione e password: E' possibile effettuare un backup della configurazione per un eventuale ripristino o per l'utilizzo su più impianti; l'accesso alla programmazione della centrale può essere protetto da password.

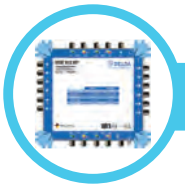
Logger e report di installazione: Nella centrale viene mantenuto lo storico degli eventi di funzionamento. E' possibile, inoltre, generare un file di testo contenente la configurazione dell'apparato. Questo report può essere utile come promemoria sia per l'installatore sia per il cliente.

Prestazioni ed affidabilità: Le centrali XS Series vantano un MER in uscita superiore a 40 dB ed un'alta affidabilità, frutto di un design accurato e di rigorose procedure di collaudo cui è sottoposto ogni esemplare prodotto.

MIRA 8x8 - Centrali digitali compatte



SPECIFICA	MIRA XS88CI
Ingressi	**DVB-S/S2**
Numero di ingressi	8
Common Interface (CI)	4 (tipo Flex-CAM)
Frequenza di ingresso	950÷2150 MHz
Livello di ingresso	42÷82 dBuV
Symbol rate/larghezza di banda	1÷45 Ms/s
Modulazione	QPSK / 8-PSK
Telealimentazione	0/13V/18V - 350 mA (protezione da c.c.) tono 0/22 kHz o Diseqc 1.0
Uscite	**DVB-T**
Numero di uscite	1 con loop-through (-1.5 dB loss)
Banda di frequenza	177.5÷858 MHz
Numero di canali	4 + 4 MUX adiacenti
Larghezza di canale	7 MHz (VHF) / 8 MHz (UHF)
FFT	2k
Costellazione	QPSK / 16-QAM / 64-QAM
FEC	1/2; 2/3; 3/4; 5/6; 7/8
Guardia	1/4; 1/8; 1/16; 1/32
MER	> 40 dB (tipico: 42 dB)
Inversione di spettro	standard
Livello d'uscita	65÷85 dBuV
Altre specifiche	
Connessioni	Ingressi ed uscite RF: tipo F-femmina; Gestione: RJ45
Alimentazione	12 Vdc con alimentatore a corredo (100÷240 Vac)
Assorbimento	20 W (+ LNB)
Range operativo	0÷40 °C
Dimensioni	235x200x50 mm
Certificazioni	Tivùsat



PRODOTTO CORRELATO
3MSE908KP

3MSE908KP - Multiswitch 9 in/8 out, 3NT1533PRO

3MSE908KP - 9-Cable Cascade-Multiswitch - Passive Terrestrial Path

Main Features:

- Terrestrial / CATV-path passive for return path
- Metal housing with plastic side brackets
- Power supply by remote feeding through trunk lines or directly from the connected power supply unit
- Operating temperature: -20°C ~ +70°C

3NT1533PRO - Universal Power Supply

SPECIFICHE	3MSE908KP	
Frequency range	5 ~ 862 MHz	950 ~ 2400 MHz
Inputs	1	8
Outputs Receiver	8	
Outputs	1	8
Gain	-26 dB	0 ~ +2 dB
Return loss	≤ -2 dB	≤ -1 dB
Return loss trunk line	> 10 dB	
Isolation: SAT/SAT SAT/TER	30 dB 30 dB	
Output level: 35 dB IMA_3	passive	101 dBµV
Power consumption	70 mA (from PSU), 35 mA (from STB)	
Dimensions	124 x 198 x 63 mm	
Weight	0.6 kg	

SPECIFICHE	3NT1533 PRO
Input	180 ~ 264 VAC / 48 ~ 62 Hz
Output voltage	15 V / stabilized
Output current max.	3300 mA
Efficency level	> 87% at 230 V
DC-Plug	5.5 / 2.1 mm barrel plug
Dimensions	140 x 95 x 50 mm
Weight	0,3 kg
MTBF	100.000 h

SAT PAL

Main Features

- SatPal™ iOS and Android apps + SatPal™ Controller
- Sat Finder and dish alignment tool with location guidance (GPS-based)
- Satellite meter with real-time spectrum analyzer measuring MER, output level, C/N, link margin, BER and PER
- Working with Universal or Unicable™/dCSS (EN50494/EN50607) LNBs
- Installation report generator including location, installer's details, signal measurements, inventory list and photos
- Unicable II™/dCSS programmer and diagnosis tool*
- Powered by battery, STB or AC/DC adapter
- Lightweight, mobile solution

SPECIFICATION	SAT PAL
Frequency range	
Satellite (LNB/Multiswitch & receiver ports)	950 MHz ~ 2150 MHz
Bluetooth	2.4 GHz
Interfaces	
LNB/Multiswitch	1x Satellite IF, 13 V / 18 V DC out, 0 kHz / 22 kHz, F-type
Receiver	1x Satellite IF loop-through out, 13 V / 18 V DC in, F-type
PC (data)	1x PC data communication, micro USB
Bluetooth (wireless data)	1x Bluetooth low energy (IEE 802.15.1 BT4.0)
DC input	1x DC input, micro USB
Generic	
Loop-through loss (Satellite)	1 dB max.
LNB/Multiswitch control protocols	DiSEqC™ 2.0, EN50494 (Unicable/SatCR), EN50607 (Unicable II™/dCSS)
Display and keys	Status LED Bluetooth LED Power LED Function button Satellite signal strength bar (0% ~ 100%) Satellite signal quality bar (0% ~ 100%)
Power supply	
DC input	5 V ~ 6 V DC / 13 W max. (DC in, micro USB) 10 V ~ 20 V DC / 13 W max. (IF loop-through, F-type)
SatPal™ Controller (without power supply to LNB/Multiswitch) Power supply to LNB/Multiswitch	 5 V DC, 350 mA (can be powered over the USB data interface) 14 V ~18 V, 400 mA max
Operating temperature	0 °C ~ +45 °C
Dimensions	150 mm x 100 mm x 30 mm (w x d x h)

NOTE

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MIRA

johansson
since 1962

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RJ45
VGA
UHD
HDMI
960H
CVI
TVI
AHD

CATALOGO
FIBRA OTTICA
COMPONENTI ATTIVI
2021 - Q2

Fibra ottica / componenti attivi
2021 - Q2

INDICE

P4
Trasmettitori / Ricevitori ottici

P8
LNB con uscita ottica

P9
Unità interne

P11
Unità ODU

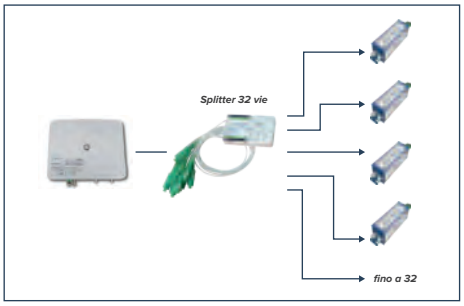
P14
Multiswitch ottici

MOCH25, MOCH55 (J4000, J4001)- Optical Compact Transmitter

MOCH25 / MOCH55
- Suitable for Wideband signals
- 2 wavelengths on one fibre
- High output power - high split ratio (up to 32)
- Intended for use with MOCOR25

SPECIFICHE	MOCH25 (J4000)	MOCH55 (J4001)
Inputs	2 RF	1 RF + 1 optical (loopthrough from ref. MOCH55)
Outputs	1 Optical	
Optical Wavelenght	1310 - 1330 nm	1550 nm
Frequency Range	5 ~ 2400 MHz	
Optical Output Power	+9 dBm per wavelength	
Ripple	± 2.5 dB	
Optimal Input Level	SAT: 80 dBµV per transponder TERR: 70 dBµV per MUX	
Input Attenuator	0 ~ 15 dB	
Laser Type	DFB	
Laser LED Control	Internal Green LED on	
LNB Power wSupply	12.8V / max 240 mA	
Power Consumption without LNB power	9.0 W	6.0 W
Power Supply	200 ~ 240 VAC	
Optical connector type	SC /APC	
RF Connectors	F-female	
Operating Temperature Range	-20°C ~ +55°C	
Protection Class	IP 50	
Dimensions	225 x 190 x 86 mm	
Weight	1.8 kg	

PRODOTTO CONSIGLIATO!
MIRA MLULB2



MCORT, MOCOR25, MCOR25T - Optical Receiver

MOCOR25/J4012

MCOR25T/J4013

MCORT, MOCOR25, MCOR25T
- Optimized for Wideband Satellite IF signals (290-2350 MHz)
- Suitable for CATV signals (5-862 MHz) and/or Quattro Satellite IF signals (950-2150 MHz)
- Converts single fibre with two wavelengths (1310/1330 nm)
- Perfect match for the MSW Multiswitches series of DELTA
- Perfect receiver for the Optical Compact Transmitter of MOCH25

SPECIFICHE	MCORT J4011	MOCOR25 J4012	MCOR25T J4013
Optical Inputs	1		
RF Outputs	1	2	3
Optical Wavelength	1550 nm	1310 - 1330 nm	1310 - 1330 - 1550 nm
Terrestrial Output Frequency Range	-	-	5 ~ 1008 MHz
Satellite Output Frequency Range	5 ~ 2400 MHz		
Optical Input Level	-15 ~ +5 dBm		
RF Output Level per Tr. (AGC)	80 dBµV		
Signal Presence Indicator	Green LED per wavelength		
Return Loss	10 dB		
Optical Connector Type	SC / APC		
RF Connector	75 Ω F-type (female)		
Power Consumption	1 W	2 W	3 W
Power Supply	12 - 20 VDC (via DC port)	12 - 20 (via V or H port)	
Power Indicator	Green LED		
Operating Temperature Range	-20°C ~ +55°C		
Dimensions	36 x 45 x 125 mm	36 x 45 x 125 mm	56 x 45 x 125 mm
Weight	0.11 kg		0.164

J4031 - Optical Receiver

J4031
- Unique product in the market with high output power
- Optical wavelengths: 1310 nm (H), 1550 nm (T)
- Optical input level: -14 to +4 dBm
- 3 Outputs (2 dSCR/legacy/TERR. + 1 TERR.)
- AGC on all output ports
- Signal quality indicator per wavelength
- Energy efficient
- Power supply: 20 V via DC IN or from STB (optional ref. J2499L)
- Can be used in system with up to 128 splits

PRODOTTO CORRELATO: J2499L

SPECIFICHE	J4030	J4031
Optical Inputs	1	
Terrestrial Inputs	1 (RF)	-
RF Outputs	2 (dSCR/Legacy/TERR)	3 (2 dSCR/Legacy/TERR + 1 TERR)
Optical Wavelength	1310 - 1330 nm	1310 - 1330 - 1550 nm
Terrestrial Output Frequency Range	5 - 862 MHz	40 - 790 MHz
Satellite Output Frequency Range	950 - 2150 MHz	
Optical Input Level	-10 ~ +9 dBm	-14 ~ +4 dBm
Signal Presence Indicator	-	Green LED per wavelength
dCSS / dSCR UBs	2 x 16	
Output Level dSCR/Legacy (AGC)	-	80 dBµV
Output Level TERR (AGC)	85 dBµV	70 dBµV
Return Loss	10 dB	
Optical Connector Type	SC / APC	
Output Connector Type	75 Ω F-type (female)	
Band and Polarity Selection	DiSEqC 1.0 (unidirectional) DiSEqC 2.0 (bidirectional) Standard EN50494/EN50607 SKY UK protocol Universal LNB Voltage & Tone	
Satellite Mode	Green LED (solid green for legacy and blinking green for dCCS)	
Power Consumption	5 W	
Power Supply via DC IN	12 - 20 VDC	20 VDC
Power Supply via Output (STB)	-	12 - 20 VDC
Power Indicator	Green LED for power	
Operating Temperature Range	-20°C ~ +55°C	
Dimensions	140 x 140 x 50 mm	166 x 136 x 50 mm
Weight	0.31 kg	

J4032 - dSCR/legacy Quad/Quattro FTU

J4032
- Unique product in the market with high output power
- Optical wavelength: 1310 nm (V), 1330 nm (H), 1550 nm (T)
- Optical input level: -14 to +4 dBm
- 5 outputs:
- Quad mode: 4 x dSCR/Legacy + TERR
- Quattro mode: V_L , H_L . V_H , H_H , TERR (serves as satellite output trunk)
- AGC on all output ports
- Signal quality indicator per wavelength
- Energy efficient
- Power supply: 20V via DC IN or from STB (optionaò ref. 2499L)
- Can ve used in system with up to 128 splits

SPECIFICHE	J4032 QUATTRO	J4032 QUAD
Optical Inputs	1	
RF Outputs	5 (V_L, H_L . V_H, H_H, T)	4 (dSCR/legacy/TERR)
Optical wavelengtha	1310 nm - 1330 nm - 1550 nm	
Terrestrial output frequency range	40 - 790 MHz	
Satellite output frequency range	950 - 2150 MHz	
Optical input level	-14 ~ +4 dBm	
Signal presence indicator	Green LED per wavelength	
dCSS/dSCR UBs	-	**4 x 16**
Output level dSCR/Legacy (AGC)	80 dBµV	
Output level TERR (AGC)	75 dBµV	65 dBµV
Return loss	10 db	
Optical connector type	SC/APC	
Output connector type	75 Ω F type (female)	
Band and polarity selection	DiSEqC 1.0 (unidirectional) DiSEqC 2.0 (bidirectional) Standard EN50494/EN50607 SKY UK protocol Universal LNB Voltage & Tone	
Power Consumption	8 W	
Power Supply via DC IN	20 VDC	
Power Supply via output (STB)	21 - 20 VDC	
Power indicator	Green LED	
Selection Quad or Quattro mode	Via switch	
Operating Temperature Range	-20°C ~ +55°C	
Dimensions	166 x 136 x 50 mm	
Weight	0.5 kg	

MOT87W, MOT103W, MOT105W

PRODOTTO CONSIGLIATO!
J9780 - Digital CSCR Solutions

SPECIFICHE	MOT87W	MOT105W	MOT103W
Optical Characteristics			
Laser Type	DFB	DFB	
Optical Wavelength	1550 nm		1310 nm
Output Optical Power	8 dBm	10 dBm	
Optical Return Loss	50 dB		
Optical Connector Type	SC/APC		
CATV RF Characteristics			
Operating Bandwidth	45 ~ 862 MHz		
Input Range	75 ~ 85 dBμV		
Flatness	± 1 dB		
Input Return Loss	14 dB		
C/N	≥ 51 dB	42CH CENELEC 80dBμV AGC OMI=3.8%	
C/CTB	≥ 63 dB	42CH CENELEC 80dBμV AGC OMI=3.8%	
C/CSO	≥ 58 dB	42CH CENELEC 80dBμV AGC OMI=3.8%	
Input Impedance	75 Ω		
RF Connector	F type (Male/Female)		
SAT-IF Characteristics			
Working Bandwidth	950 ~ 2600 MHz		
Input Range	68 ~ 83 dBμV		
Flatness	± 3 dB		
Input Return Loss	10 dB		
C/IM3	≥55		
General Characteristics			
Power Supply (AC)	IN:110~265VAC, OUT:12VDC/18VDC		
Consumption	10 W		
Working Temperature	0°C ~ 50°C		
Storage Temperature	- 40°C ~ +60°C		
Dimension	MINI 200 x 102 x 35 mm		

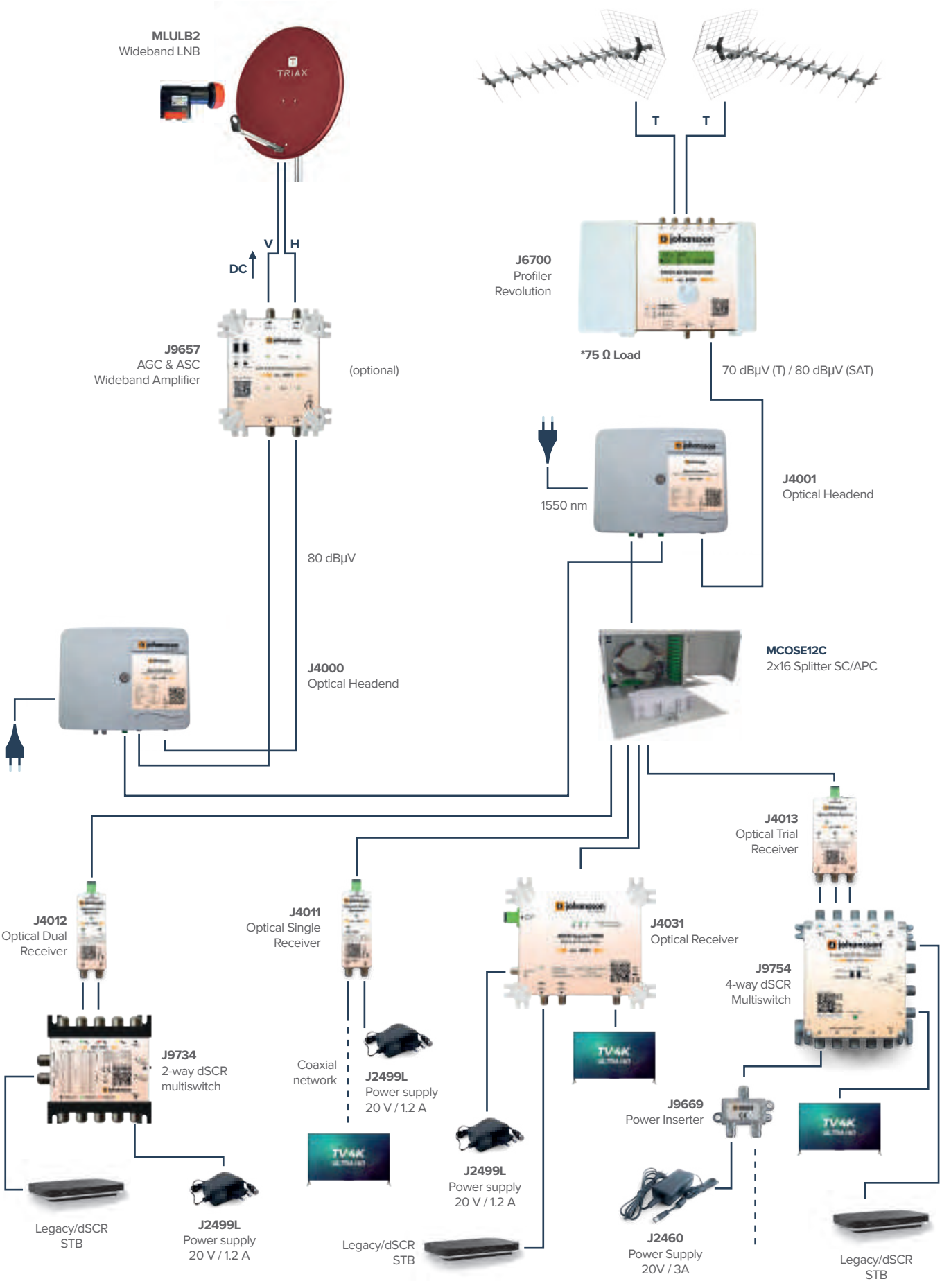
MOR300W, MOR500W

MOR300W, MOR500W:

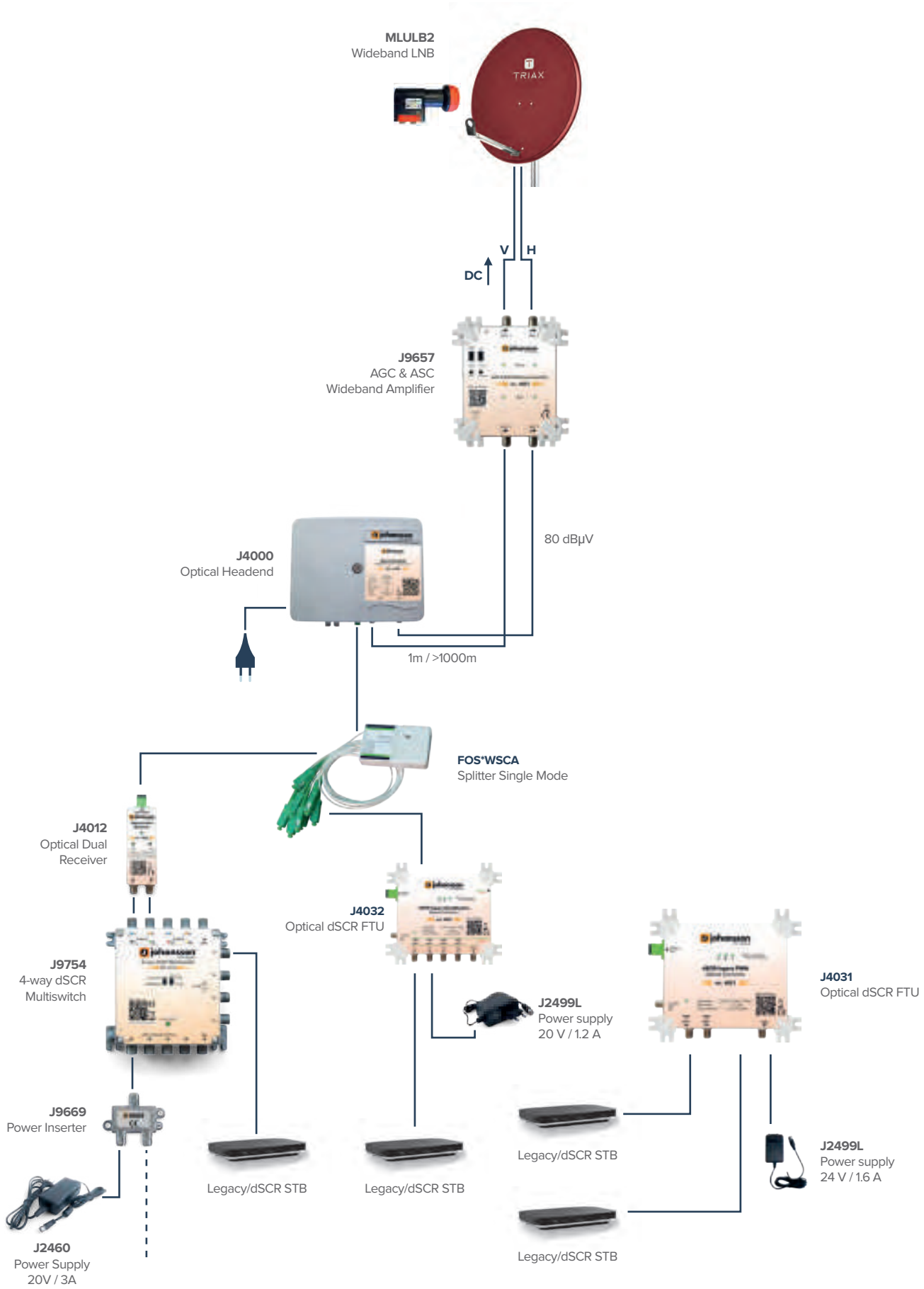
- High linearity, suitable for Analog TV&SAT-IF application.
- MOR300W Bandwidth: 45 ~ 1000 MHz.
- MOR500W Bandwidth: 45 ~ 2600 MHz.
- Simultaneously receive CATV and SAT-IF signal, can be compatible with FTTxPON technology.
- Analog TV, Digital TV and Satellite TV have excellent performance:
  - Analog TV: (84CH PAL-D, OMI=3.8%, Pin=-1dBm) C/N>51dB, CTB≤ -66dB, CSO≤ -62dB;
  - Digital TV: (Original signal MER=38.6dB, BER<1.0E-9) Pin=-14dBm, MER≥33dB (MER degrade 5dB), Pin=-19dBm, BER<1.0E-9;
  - Satellite TV: (Original signal quality =64%) Pin=-20dBm, signal quality >38%.

SPECIFICHE	MOR300W	MOR500W
Optical Characteristics		
Operating Wavelength	1260 ~1620 nm	
Responsivity	0.85 A/W	
Receiving optical power range	Analog TV: - 7 ~ +2 Digital TV: - 14 ~ +2 Satellite TV: - 20 ~ +2	
Optical Return Loss	50 dB	
Optical Connector Type	SC/APC	
RF Characteristics		
Operating Bandwidth	45 ~ 1000 MHz	45 ~ 2600 MHz
Output Level	90 dBμV @Pin=0dBm	
Flatness	- 1.0 ~ +1.0 dB (45 ~ 862 MHz) - 2.5 ~ +2.5 dB (950 ~ 2600 MHz)	
Output Return Loss	14 dB min. (45 ~ 862 MHz) 12 dB min. (950 ~ 2600 MHz)	
C/N	51 dB min. @Pin= -1dBm, Pout>88dBμV, 84CH PAL-D, OMI=3.8%	
CTB	66 dB min. 66 @Pin= -1dBm, Pout>88dBμV, 84CH PAL-D, OMI=3.8%	
CSO	62 dB min. @Pin= -1dBm, Pout>88dBμV, 84CH PAL-D, OMI=3.8%	
HUM	- 60 dB min.	
Output Impedance	75 Ω	
RF connector	F type (Male/female selectable)	
General Characteristics		
Operating Voltage (DC)	12 V	
Consumption	≤ 3 W	
Operating Temperature	- 20°C ~ +60°C	
Storage Temperature	- 40°C ~ +85°C	
Dimension	105 x 67 x 24 mm	

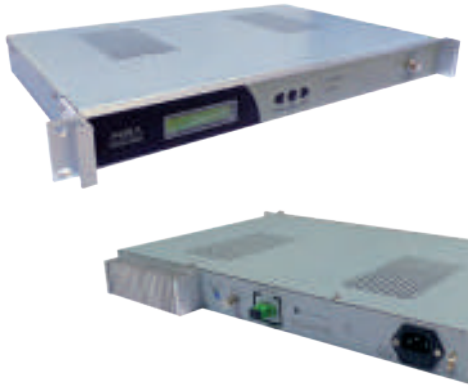
Fiber Optical Distribution SAT + DTT



Fiber Optical Distribution SAT



MOTX90, MOTX120

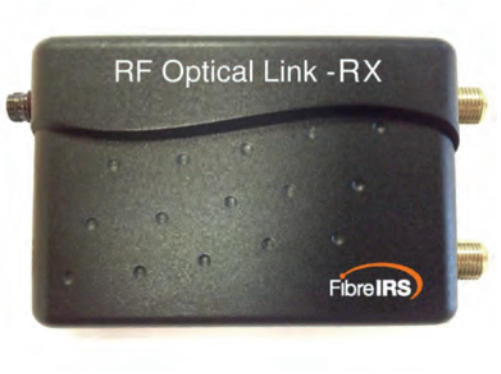


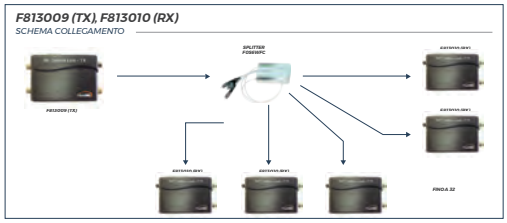
CEI 306-22 COMPLIANT

Trasmettitore TV RF ottico RACK 19": 7,8dBm / 9,0dBm / 12dBm, 47-862 Mhz, connettore uscita SC/APC (fibra Single Mode)

SPECIFICHE	MOTX90	MOTX120
Potenza ottica	10mW (10dbM)	16mW (12dbM)
Frequenza	47~870 MHz	
CNR	≥ 52 dB (classe A)	
CTB	≥ 67 dB (classe A)	
CSO	≥ 62 dB (classe A)	
Specifiche ottiche		
Tipo di laser	DFB (con isolatori ottici)	
Lunghezza d'onda	1310 nm ± 20	
Tipo modulazione	Modulazione intensità luce diretta	
Connettore fibra	SC/APC	
Livello segnale ingresso RF	80±3	
Piattezza	±0.75 dB	
Impedenza ingresso RF	75 Ω	
Perdita di ritorno ingresso RF	≤-16 dB (47-550MHz) ≤-14 dB (551-870MHz)	
Generiche		
MTBF	≥ 40000 h	
Temperatura operativa laser	+5°C ~ +40°C	
Alimentazione (linea)	AC 220V (86~264V)	
Consumo	50W	
Dimensioni	480x350x44	

F813009 (TX), F813010 (RX)





SPECIFICHE	F813009 (TX)	F813010 (RX)
Optical Characteristics		
Operating Wavelength	1310 nm	1100 ~ 1600 nm
Return loss	20 dB min.	
Receiving optical power range	Analog TV: - 7 ~ +2 Digital TV: - 14 ~ +2 Satellite TV: - 20 ~ +2	
Optical Power	7 dBm	
SAT, DTT, DAB and FM (Electrical)		
RF Frequency Range		
Input Power DTT	60 ~ 92 dBµV	
Input Power SAT	60 ~ 85 dBµV	
Gain Variation Across Band	4 dB (max.)	
DC Specification		
Input Voltage Range	12 V ~ 20 V	
LNB Supply Voltage	12 V ~ 20 V	
Current Consumption	< 200 mA	< 140 mA
Connector		
Output	Fibre Optic FC/PC	
DTT/DAB/FM	F	
Power Supply in/out	F	
RF Out / Ter Out		F
Power supply		2.1 mm jack
Enviromental Specification		
Operating Temperature	-20°C ~ 55°C	
Storage Temperature	- 20°C ~ 65°C	
Others		
Laser Classification	Classs 1M	
Dimensions	85 x 55 x 25 mm	

F925004, F926012

CEI 306-22 COMPLIANT

CEI 306-22 COMPLIANT

F925004
LNB con trasmettitore ottico: frequenza 950-5950 Mhz, 64 PON (fibra Single Mode), alimentatore 12Vcc 0,5A incluso.

F926012
LNB a flangia C120 con trasmettitore ottico: frequenza 950-5950 Mhz (fibra Single Mode), alimentatore 12Vcc 0,5A incluso.

SPECIFICHE	F925004	F926012
Frequenza		**C120**
Frequenza d'ingresso	10,7~12.75 GHz	10,7~12.75 GHz + C120
Riallocazione banda (polarità verticale)	0.950 ~ 3.0 GHz	0.950 ~ 3.0 GHz
Riallocazione banda (polarità orizzontale)	3.4 – 5.45 GHz	3.4 – 5.45 GHz
Polarizzazione lineare	Orizzontale e verticale	Orizzontale e verticale
Fibra ottica		
Lunghezza d'onda	1310 nm	1310 nm
Uscita alimentazione ottica (nom. @25°C)	7.0 dBm	7.0 dBm
Variazione alimentazione in uscita	± 0.2 dBm	± 0.2 dBm
Massima suddivisione ottica in uscita	32	32
Perdita totale (nominale)	18.3 dB	18.3 dB
Rumore		
Figura di rumore (tip. a 25°C / max. 25°C)	0.5 / 1.1 dB	0.5 / 1.1 dB
Figura di rumore (tip. oltre temp. max.)	0.7 / 1.3 dB	0.7 / 1.3 dB
Guadagno		
Guadagno di conversione	72/62 dB	72/62 dB
Variazione guadagno (-30 to +60°C)	± 2 dB	± 2 dB
Piattezza del guadagno (0.95 - 5.45 Ghz)	5 dB	5 dB
Ondulazione del guadagno	≤ 0.5 dB	≤ 0.5 dB
Oscillatore locale		
Frequenza (verticale/orizzontale)	9.75/ 7.3 GHz	9.75/ 7.3 GHz
Rumore di fase	-55 / -80 / -100 / -110 dBc Hz	-55 / -80 / -100 / -110 dBc Hz
Stabilità	± 1 MHz	± 1 MHz
Deriva della temperatura (-40°C ~ +60°C)	± 2 MHz	± 2 MHz
Deriva da invecchiamento (10 anni)	± 4 MHz	± 4 MHz
Generale		
Rigetto immagine (min.)	40 dB	40 dB
Isolamento polarità (tipico/min.)	30/25 dB	30/25 dB
Uscita spurie in banda (950MHz-3GHz, 3.4GHz-5.45GHz)	-25 dBc	-25 dBc
Tensione (tensione di sopravvivenza nominale/massima)	12/ 25 V/DC	12/ 25 V/DC
Consumo	< 450 mA	< 450 mA
Ingresso DC	Tipo F femmina	Tipo F femmina
Uscita ottica	FC/PC	FC/PC
Diametro supporto	Ø 40 mm	Ø 40 mm
Temperatura d'esercizio	-30 +60 °C	-30 +60 °C

FD000199 - SkyQ dCSS Adapter

FD000199:
The purpose of this guide is to enable the successful installation of the dCSS GTU as part of a Global Invacom FibreIRS Installation.

- The GTU will be connected to a suitable Global Invacom FibreIRS Passive Optical Network (PON), providing minimum optical signal levels of -12.2dBm* at the connection point of the GTU.
- The GTU will be been installed in a dry indoor environment.
- The installation will be carried out by a competent person.
- All ferrule end faces of the FC/PC optical connectors are cleaned prior to making a connection using a suitable fibre optic cleaning kit.
- The keyway on the FC/PC connector is aligned before tightening. Ensuring not to overtighten the connection.
- The installer has followed the installation guide for the ODU32 or optical LNB.

Cable and Connections:
Output satellite 2 x dCSS and legacy
Output 2 only supports terrestrial signals (DVB-T/T2,FM and DAB.)

Power
This unit draws power from the STB (Set Top Box) via output 1. The STB must be capable of delivering >500mA.

UB N°	UB CENTER FREQUENCY (MHZ)	EN50494	EN50607	USAGE
1	1210	Y	N	Legacy STB and PVR SCR compatible
2	1420	Y	N	
3	1680	Y	N	
4	2040	Y	N	
5	985	N	Y	
6	1050	N	Y	
7	1115	N	Y	
8	1275	N	Y	
9	1340	N	Y	
10	1485	N	Y	
11	1550	N	Y	
12	1615	N	Y	
13	1745	N	Y	
14	1810	N	Y	
15	1875	N	Y	
16	1940	N	Y	

User band frequency plan.

FD000188, FD000187

CEI 306-22 COMPLIANT

CEI 306-22 COMPLIANT

FD000188
Convertitore QUATTRO HVHV: output + DTT, output virtuale Ottico–Coax, alimentatore **non incluso** Serie Compact

FD000187
Convertitore QUAD: output + DTT, output virtuale Ottico–Coax, alimentatore **non incluso** Serie Compact.

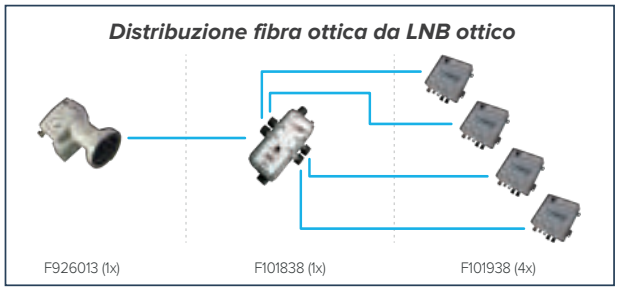
SPECIFICHE		FD000188 (QUATTRO)	FD000187 (QUAD)
DTT, DAB & FM (Elettrica)			
Frequenza RF	DTT	470-790MHz	470-790MHz
	DAB	174-240MHz	174-240MHz
	FM	88-108MHz	88-108MHz
Impedenza nominale		75Ω	75Ω
Perdita di ritorno		10dB (min.)	10dB (min.)
Uscita nominale DTT Quad / Quatro		71dBµV	78dBµV
Variazione guadagno sulla banda		5dB (max)	5dB
Rejection 950-2150MHz		35dB	35dB
FM.DAB,DTT & Satellite (Ottica)			
Lunghezza d'onda Ottica		da 1100nm a 1650nm	da 1100nm a 1650nm
Ingresso alimentazione Ottica		-12dBm (min) / 3dBm (max)	-12dBm (min) / 3dBm (max)
Segnali controllo			
Selezione voltaggio verticale		10.5V (min) / 14.5V (max)	–
Selezione voltaggio orizzontale		15.5V (min) / 19V (max	–
Banda Low / High		0/22KHz	–
Specifiche Elettriche			
Tensione d'ingresso		da 10.5V a 21V	
Consumo corrente (Quad)	@10.5V con solo RX1 e Rx2 alimentati	235mA (max)	–
	@10.5V con solo RX3 e Rx4 alimentati	235mA (max)	–
Consumo corrente (Quad)	Totale @ 10.5V (aliment. diretta)	470mA (max)	–
Consumo corrente (Quatro)	@ 10.5V	–	490mA (max)
Specifiche generiche			
Temperature d'esercizio		da -15°C a +50°C	da -15°C a +50°C
Misure		128.7 x 116.5 x 27mm	120.8 x 80.1 x 26.3mm
Peso		325g	175g

LA20D12PB1, FD000342

Alimentatore 20volt per moduli **FD000187/188, F101938, F102029, F102030, FD000199.**

F101720

KIT LNB + trasmettitore ottico: frequenza 950-5950 Mhz, uscita 2x32 PON (fibra Single Mode), alimentatore incluso.
Il Kit comprende: (1x) LNB ottico **F926013,** (1x) trasmettitore ottico **F101938,** (1x) cavo HF **F700318.**



CEI 306-22 COMPLIANT

F926013, F926019

CEI 306-22 COMPLIANT

CEI 306-22 COMPLIANT

LNB satellite: uscita 950-5950 Mhz, **utilizzabile solo con F101938.**

SPECIFICHE	F926013	F926019 (C120)
Frequenza d'Ingresso	10,70-12,75 GHz	10,70-12,75 GHz + C120
Intervallo frequenza di uscita	950 - 5450 MHz	950 - 5450 MHz
Impedenza di uscita	50 Ohm	50 Ohm

F101938

CEI 306-22 COMPLIANT

Trasmettitore ottico doppio + ingresso DTT–DAB: uscita 2x32 PON (fibra Single Mode), alimentatore incluso.

F101831

CEI 306-22 COMPLIANT

Splitter 4 Vie HF, connettore tipo “N”, 950-5950Mhz.
Funziona con **F101938.**

F700318, F771016, F771017

F700318: cavo 2 metri HF: connettore tipo “N”, frequenza 950-5950Mhz, per collegamento F101831, F101938, F926013, F926019.
F771016: cavo 5 metri HF: connettore tipo “N”, frequenza 950-5950Mhz, per collegamento F101831, F101938, F926013, F926019.
F771017: cavo 10 metri HF: connettore tipo “N”, frequenza 950-5950Mhz, per collegamento F101831, F101938, F926013, F926019.

Fibra ottica / componenti attivi
2021 - Q2

INDICE

P14
Fibra ottica HDMI / USB

P18
Fibra ottica TVCC

LOHD59

4K UHD

4K@60HZ HDMI2.0 Fiber Optic Extender

LOHD59

- Uncompressed transmits HDMI video signals up to 1.5km over 2 singlemode fiber cable;
- Highest resolution is up to 3840*2160@60Hz or 4096*2160@60hz; YUV 4:4:4
- Support EDID learning function, improve compatibility, match signal sources and display devices
- TMDS signal Lossless transmission.
- Compliance with HDMI 2.0 and HDCP 1.4/2.2 standard;
- Built-in automatic adjustment system, make the image smooth, clear and stable;
- Built-in ESD protection system;
- Wall-mounted type more convenient
- Simple to install, plug and play;

HDR 4K UHD

PERFORMANCE	
Protocol	HDMI2.0 , HDCP 1.4/2.2
Data Rate/ Pixel Clock	18Gbps/600Mhz
Resolution	3840X2160@60hz/30Hz; 1920*1200@60Hz ; 1920*1080@60Hz/50Hz /30Hz/25Hz /24Hz ; 1080I@60Hz/50Hz, 1280*720@60Hz/50Hz
Audio	7.1 channel LPCM, 192 kHz, 24-bit
CONNECTIONS	
HDMI Input/Output	1 HDMI A Female
Fiber Quantity	2 simplex *LC
TRANSMISSION DISTANCE	
Fiber Type / Maximum Distance	50/125μm OM3-300 MMF: ≤300 meters, 9/125μm G.625D SMF: ≤1500meters
EDDI/HDCP	EDID Auto-Learning, EDID Manage, Support HDCP1.4/HDCP2.2
MECHANISM	
Material	Metal Housing
Dimensions (mm) (L*W*H)	108 x 90 x 26mm
Weight	Approximately 2 * 250 g (SOURCE RECEIVER)
STORAGE	
Working Temp	0° to +50° C
Storage Temp	-20° to +70° C
Storage Humidity	5% to 95% (Non - Condensing)
POWER SUPPLY	
Power Adapter	Input: 100-240VAC / 50-60Hz 0.2A Output : 5VDC, 3A
Power Dissipation	600-900 mA
WARRANTY	
Limited Warranty	1 year warranty, Lifetime Maintenance.

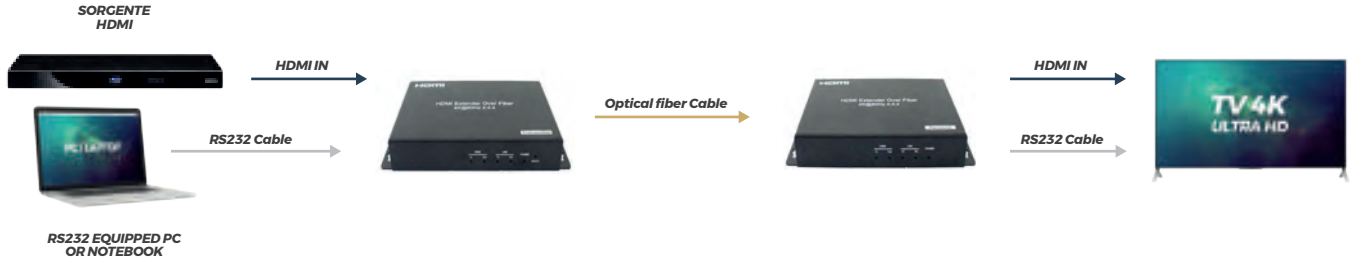
PRODOTTI CORRELATI

FALCPSD

FPLCLC2S3HD

LOHD59

SCHEMA COLLEGAMENTO



LOHD55

TVCC
PC

4K UHD

SPECIFICA	LOHD55
Video	
Standard	HDMI 1.4
Pixel clock	225MHz (max)
Data rate	6.75Gbps (max)
Risoluzione	3840x2160 @30Hz
Connettore	HDMI femmina tipo A
Impedenza	100Ω
Fibra ottica	
Interfaccia	Modello SFP – connettore LC
Tipo fibra	Single Mode
Lunghezza d'onda	1310nm
Banda	10Gbps
Tastiera, mouse, video	
Connessioni	PC: connettore USB tipo B Mouse/Tastiera: connettore USB
Distanza trasmissione	Fibra SM standard 2km (10km max)
Varie	
Alimentatore	DC 5V/2A, dissipazione 5W (max)
Temperatura operativa	-5°C ~ +70°C
Dimensioni	94,5x73,26mm

LOHD55

- Trasmette il segnale HDMI fino a 2km su cavo in fibra ottica
- Supporta risoluzioni fino a 3860x2160 @30Hz, segnale 3D
- Compatibile con HDMI 1.4
- Sistema protezione ESD
- Semplice da installare, plug-and-play

HDMI USB M&K

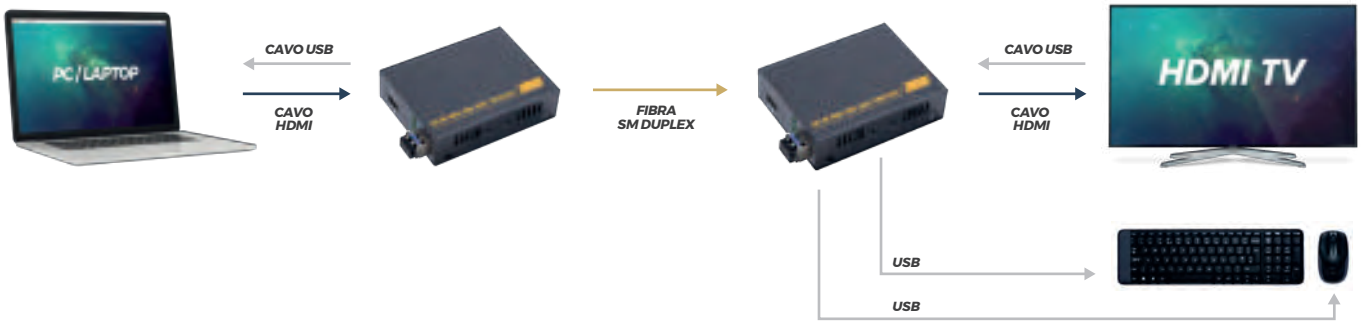
PRODOTTI CORRELATI

FALCPSD

FPLCLC2S3HD

LOHD55

SCHEMA COLLEGAMENTO



LOHD27

SPECIFICA	LOHD27
Video	
Standards	HDMI 720P / 1080P
Maximum pixel clock	165MHz
Maximum data rate	6.75Gbps
Risoluzione	Up to 1920X1080P@60Hz
Connettore	Femmina HDMI type A
Impedenza	100Ω
Infrarosso	
Interfaccia	3.5mm earphone seat
Tipo di segnale	Digitale
Trasmissione	Unidirezionale
Carrier	38kHz
Fibra Ottica	
Interfaccia	LOHD27, LOHD27SC: 1x HDMI 1x conn. FC / 1x conn. SC LOHD27HQ: 1x HDMI in/out 1x conn. FC
Tipo fibra	Single Mode
Lunghezza d'onda	1310nm, 1510nm
Banda	6.25Gbps
Distanza trasmissione	20km
Varie	
Alimentazione	DC 5V/2A
Power dissipation	MAX 5W
Temperatura d'esercizio	-5°C ~ +70°C
Dimensioni	113x80x28mm

LOHD27: Kit trasmettitore + ricevitore HDMI 720P/1080P + IR telecomando su 1 fibra ottica Single Mode, portata 20Km (non supporta 1080i).

PRODOTTI CORRELATI

FA-FCP-SS

FOFAL****

LOHD27

SCHEMA COLLEGAMENTO

LOHD47

SPECIFICHE	LOHD47
Video	
Standards	HDMI 1.3, HDCP 1.2
Pixel clock (max)	165MHz
Maximum Data Rate	6.75Gbps
Resolution Range	Max: 1920x108060Hz
Connector	Female HDMI Type A
Impedance	100Ω
K/M	
Connector	USB-A
Signal	USB HID
Infrared	
Interface	3.5mm Earphone Seat
Fiber Type	Single Mode
Transmission Direction	Unidirectional
Carrier Frequency	38kHz
Optical Fiber	
Interface	FC connector
Fiber Type	Single Mode
Wavelenght	TX 1310nm; RX 1550nm
Interface Bandwidth	155Mbps
Transmission Distance	Standard: 20km
Other	
Power Supply	The Power Adapter: DC 5V/2A
Power Dissipation	Max: 5W
Temperature	Operating: -5°C ~ +70°C
Humidity	Operating: 5% ~ 90%
Dimension	100 x 97.5 x 18.6 mm

LOHD47

- Aluminum shell, small volume, lightweight design, more beautiful, strong anti-interference ability; wall-mounted type more convenient
- Using single Mode Fiber to transmit 20KM
- Video resolution up to 1920*1080@60Hz
- The sender supports HDMI local loop output
- Support USB with keyboard and mouse control
- Support for one sender to multi-receiver transmission via an optical switch
- Support infrared (38 Khz) signal return control
- HDMI 1.3 and HDCP 1.2 standards
- High compatibility, automatic matching of signal sources and display devices
- Built-in automatic adjustment system for smooth, clear and stable image
- Built-in ESD electrostatic protection circuit, easy to install, plug and play
- Real-time Video / Audio Transmission from HDMI to Fiber based on IP

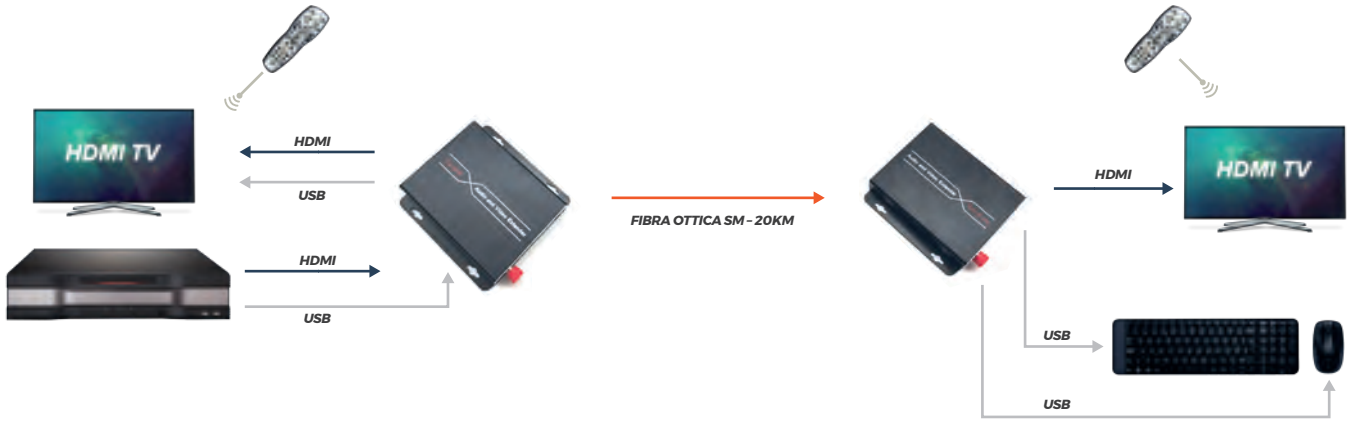
PRODOTTI CORRELATI

FA-FCP-SS

FOFAL****

LOHD47

SCHEMA COLLEGAMENTO



LO591VTR1DFSW, LO592VTR1DFSW, LO91VTR1DFSW, LO92VTR1DFSW

5 MP 2 MP

LO591VTR1DFSW: 5MP, TX+RX 1 canale AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data

LO592VTR1DFSW: 5MP, TX+RX 2 canali AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data

LO91VTR1DFSW: 1080P, TX+RX 1 canale AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data

LO92VTR1DFSW: 1080P, TX+RX 2 canali AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data

SPECIFICA	LO591VTR1DFSW / LO592VTR1DFSW		LO91VTR1DFSW / LO92VTR1DFSW	
Modello	**TX**	**RX**	**TX**	**RX**
Ingresso	1x/2x BNC 1x RS-485	fibra FC/PC	1x/2x BNC 1x RS-485	fibra FC/PC
Uscita	fibra FC/PC	1x/2x BNC 1x RS-485	fibra FC/PC	1x/2x BNC 1x RS-485
Video				
Interfaccia	BNC			
Impedenza	75Ω			
Ampiezza video	1.0Vp-p typ.			
Risoluzione	5 MP / 4 MP / 3 MP / 1080 P / 720 P / 960 H		AHD / TVI / CVI / 1920x1080 / 960H	
Guadagno differenziale (10%-90% APL)	<±1.5%		<±1% typ.	
Guadagno di fase (10%-90% APL)	< ±1% typ.			
SNR	> 60dB (8Bit)			
Interfaccia Ottica				
Lunghezza d'onda	1310 nm / 1550 nm		1310nm 1470nm-1610nm	
Tipo cavo fibra ottica	9/125u single mode			
Potenza in uscita tipica	-8 ~ -3dBm		-3 ~ -9dBm	
Sensibilità ricezione	-26 dBm			
Interfaccia	FC/PC			
Varie				
Alimentazione	110V~240V, DC5V,2A			
Temperatura d'esercizio	15°C ~ 65°C		-0°C ~ +60°C	

LO594VTR1DFSW, LO598VTR1DFSW, LO94VTR1DFSW, LO98VTR1DFSW

5 MP 2 MP

LO594VTR1DFSW: 1080P, TX+RX 4 canali AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data One Way

LO598VTR1DFSW: 1080P, TX+RX 8 canali AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data One Way

LO94VTR1DFSW: 1080P, TX+RX 4 canali AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data One Way

LO98VTR1DFSW: 1080P, TX+RX 8 canali AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data One Way

SPECIFICA	LO94VTR1DFSW / LO598VTR1DFSW		LO94VTR1DFSW / LO98VTR1DFSW	
Modello	**TX**	**RX**	**TX**	**RX**
Ingresso	4x/8x BNC 1x RS-485	fibra FC/PC	4x/8x BNC 1x RS-485	fibra FC/PC
Uscita	fibra FC/PC	4x/8x BNC 1x RS-485	fibra FC/PC	4x/8x BNC 1x RS-485
Video				
Interfaccia	BNC			
Impedenza	75Ω			
Ampiezza video	1.0Vp-p typ.			
Risoluzione	5MP / 4MP / 3MP / 1080P / 720P / 960H		AHD / TVI / CVI / 1920x1080 / 960H	
Guadagno differenziale (10%-90% APL)	<±1.5%		<±1% typ.	
Guadagno di fase (10%-90% APL)	<±1°		<±1% typ.	
SNR	>67dB		>60dB (8Bit)	
Interfaccia Ottica				
Lunghezza d'onda	1310nm / 1550nm		1310nm 1470nm-1610nm	
Tipo cavo fibra ottica	9/125u single mode			
Potenza in uscita tipica	-8 ~ 3 dBm		-3 ~ -9 dBm	
Sensibilità ricezione	-26dBm		-26dBm	
Interfaccia	FC/PC			
Varie				
Alimentazione	110V~240V, DC5V, 2A		110V~240V, DC5V, 2A	
Temperatura d'esercizio	-15°C ~ 65°C		-0°C ~ +60°C	

LO7xVTR1DFSW

2MP

LO71VTR1DFSW: TX+RX 1 canale AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data One Way, 1x Fibra Multi Mode, portata 800m.

LO72/74VTR1DFSW: TX+RX 2/4 canali AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data One Way, 1x Fibra Multi Mode, portata 300m.

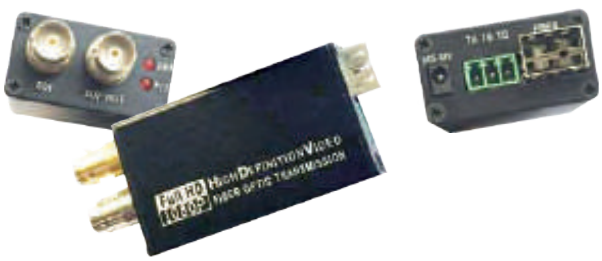
SPECIFICA	LO71VTR1DFSW / LO72VTR1DFSW		LO74VTR1DFSW	
Modello	**TX**	**RX**	**TX**	**RX**
Ingresso	1x/2x BNC 1x RS-485	1x/2x BNC 1x RS-485	4x BNC 1x RS-485	4x BNC 1x RS-485
Uscita	fibra ST/PC	fibra ST/PC	fibra ST/PC	fibra ST/PC
Video				
Interfaccia	BNC			
Impedenza	75Ω			
Ampiezza video	1.0Vp-p typ.			
Risoluzione	AHD / TVI / CVI / 1920x1080 / 960H			
Guadagno differenziale (10%-90% APL)	<±1% typ.			
Guadagno di fase (10%-90% APL)	<±1% typ.			
SNR	>60dB (8Bit)			
Interfaccia Ottica				
Lunghezza d'onda	1310nm 1470nm-1610nm			
Tipo cavo fibra ottica	50/125u multimode			
Potenza in uscita tipica	-3~-9dBm			
Sensibilità ricezione	-26dBm			
Varie				
Alimentazione	110V~240V, DC5V,2A			
Temperatura d'esercizio	-0°C ~ +60°C			

LOUSB3SMFC

LOUSB3SMFC:
KIT trasmettitore + ricevitore estensore USB
Trasmettitore supporta: 2xUSB tastiere, mouse o memoria USB
Ricevitore supporta: 1xUSB PC NVR/DVR, connessione FC/PC

SPECIFICA	LOUSB3SMFC	LOUSB3MMST
Fibra Ottica		
Connettore	1x SM FC/FC	2x MM SC/ST
Lunghezza d'onda	1310nm / 1550nm	
Portata	20Km	
Alimentazione		
Voltaggio	5V DC	
Trasmettitore consumo	<3.5W	
Ricevitore consumo	<3.5W	
Varie		
Case	Alluminio nero	
Dimensioni	104x104x28mm	
Peso (netto)	0.75Kg	
Temperatura d'esercizio	-20°C ~ +70°C	

LO121VTRDFSW / LO31VTRDFSW



LO121VTRDFSW: TX+RX 1 canale HD-SDI 4K UHD + 1 RS 485 Data one way 1 Fibra Single mode Connett. di Uscita FC/PC portata 10Km

LO31VTRDFSW: TX+RX 1 canale HD-SDI 1080P + 1 RS 485 Data one way 1 Fibra Single mode Connett. di Uscita FC/PC portata 10Km

LO91VTR1D2A2KLFS, LO91VTR2B2A5KLFS

LO91VTR1D2A2KLFS: TX+RX Ottico 1 ch Video +1 ch Bi-Di Audio + 1 ch RS485 Data + 2 x Contatti Bi-Di NC/NA + Lan 10/100 Single mode conn. FC/PC 20Km

LO91VTR2B2A5KLFS: TX+RX Ottico 1 ch Video +1 ch Bi-Di Audio + 2 ch BI-DI RS485 Data + 4 x Contatti Bi-Di NC/NA + 1 x NC/NA Fibra loss + Lan 10/100 SM. FC/PC 20Km

LO11xT1DFSW, LO12xT1DFSW, LO14xT1DFSW

LO11xT1DFSW: Trasmettitore 1x Video 1080P + 1 Way RS485 Data Single mode Ottico Conn. Uscita FC/PC (fibra Single Mode)

LO12xT1DFSW: Trasmettitore 2x Video 1080P + 1 Way RS485 Data Single mode Ottico Conn. Uscita FC/PC (fibra Single Mode)

LO14xT1DFSW: Trasmettitore 4x Video 1080P + 1 Way RS485 Data Single mode Ottico Conn. Uscita FC/PC (fibra Single Mode)

SPECIFICHE		
Modello	**TX**	
Ingresso	1x/2x BNC 1x RS-485	4x/8x BNC 1x RS-485
Uscita	fibra FC/PC	fibra FC/PC
Video		
Interfaccia	BNC	
Impedenza	75Ω	
Ampiezza video	1.0Vp-p typ.	
Risoluzione	1920x1080	
Guadagno differenziale (10%-90% APL)	<±1% typ.	
Guadagno di fase (10%-90% APL)	<±1% typ.	
SNR	>60dB (8Bit)	
Interfaccia Ottica		
Lunghezza d'onda	1310nm 1470nm-1610nm	
Tipo cavo fibra ottica	9/125u single mode	
Potenza in uscita tipica	-3~-9dBm	
Sensibilità ricezione	-26dBm	
Interfaccia	FC/PC	
Varie		
Alimentazione	110V~240V, DC5V,2A	
Temperatura d'esercizio	-0°C ~ +60°C	

LO21xR1BFSW, LO22xR1BFSW, LO24xR1BFSW

LO21xR1BFSW: scheda RX 1x Video 1080P + 1 Way RS485 Data Single mode Ottico Conn. Uscita FC/PC (fibra Single Mode)

LO22xR1BFSW: scheda RX 2x Video 1080P + 1 Way RS485 Data Single mode Ottico Conn. Uscita FC/PC (fibra Single Mode)

LO24xR1BFSW: scheda RX 4x Video 1080P + 1 Way RS485 Data Single mode Ottico Conn. Uscita FC/PC (fibra Single Mode)

SPECIFICHE		
Modello	**RX**	
Ingresso	fibra FC/PC	fibra FC/PC
Uscita	1x/2x BNC 1x RS-485	4x/8x BNC 1x RS-485
Video		
Interfaccia	BNC	
Impedenza	75Ω	
Ampiezza video	1.0Vp-p typ.	
Risoluzione	1920x1080	
Guadagno differenziale (10%-90% APL)	<±1% typ.	
Guadagno di fase (10%-90% APL)	<±1% typ.	
SNR	>60dB (8Bit)	
Interfaccia Ottica		
Lunghezza d'onda	1310nm 1470nm-1610nm	
Tipo cavo fibra ottica	9/125u single mode	
Potenza in uscita tipica	-3~-9dBm	
Sensibilità ricezione	-26dBm	
Interfaccia	FC/PC	
Varie		
Alimentazione	110V~240V, DC5V,2A	
Temperatura d'esercizio	-0°C ~ +60°C	

Fibra ottica / componenti attivi
2021 - Q2

INDICE

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Kit switch fibra FTTH

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Media converter SC Single Mode

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Media converter SFP 100M / 1G / 10G

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Media converter OEO

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Switch industriali POE 1G / SFP L2

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Switch SFP L2

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Switch POE 24/48 L3

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Switch POE 10/16/24 L2

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Cloud Gateway

LOMCK1G86S, LOMCK1G44S

6 x

LOMCK1G86S **LOMCK1GSCS**

4 x

LOMCK1G44S **LOMCK1GSCS**

LOMCK1G86S (LOMCK1G44S)

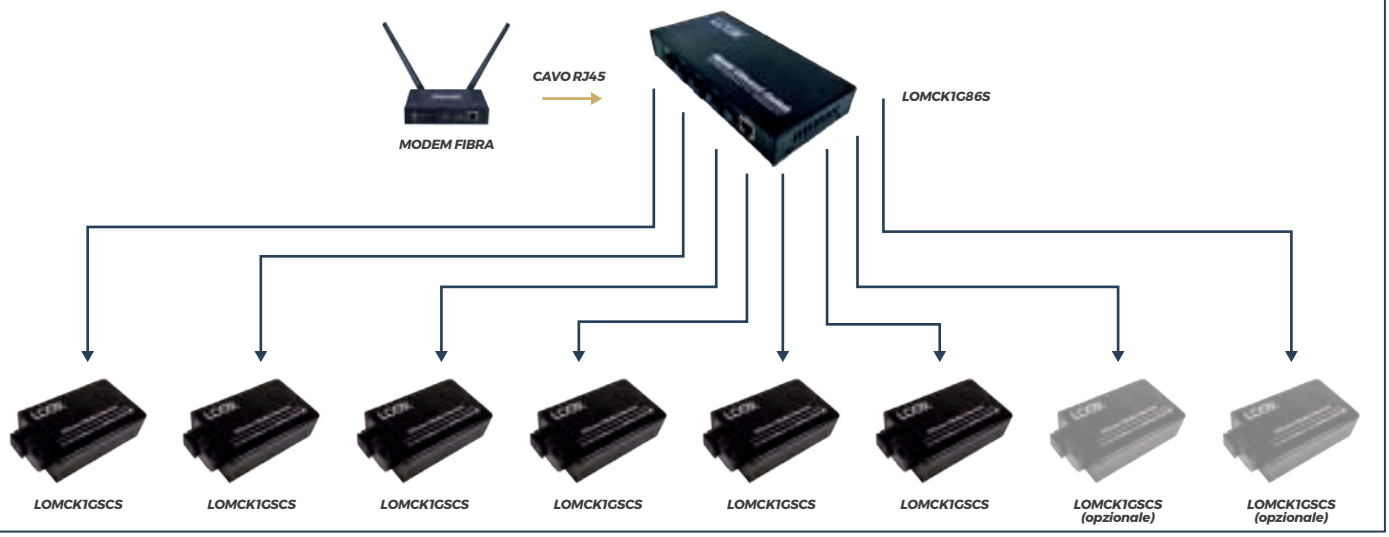
- 8×1000Base-SX/LX to 2×10/100/1000Base-T Port (4x1000)
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Each port has the complete LED Indicator light
- Support IEEE802.1d Spanning Tree
- Supports high performance QoS function on each port
- Built-in 1Mb SRAM for packet buffer
- Internal 8K MAC Address Entities
- Support 9K Jumbo packet
- Flow control fully supported
- Supports 256 Bridge Multicast groups
- Support broadcast storm protection
- Wide-range redundant power design (4.5~20VDC)
- Requires no configuration and will instantly operate as soon as you power it up

SPECIFICA	LOMCK1G86S	LOMCK1G44S
Protocol Standards	IEEE802.3 10Base-T / IEEE802.3u 100Base-TX/FX / IEE-E802.3ab 1000Base-T / IEEE802.3z 1000 Base-SXLX / IEEE802.3x Flow control / IEEE802.1p QoS / IEEE802.1d Spanning Tree / IEEE802.3az	
Copper port		
Connector	RJ45	
Data Rate	10/100/1000 M	
Distance	0 ~ 100 m	
UTP Type	UTP-5E or higher level	
Fiber Port Parameters		
Connector	8xSC Simplex Port	4xSC Simplex Port
Data rate	1.25 Gbps	
Optical wavelength	1310nm/1550nm	
Distance	10 km	
Performance		
Processing Type	Store and forward	
MAC Table Size	8K	1K
Buffer Space	1Mbit	
Maximum Packet Lenght	9K bytes	
Back bandwidth	20G	14G
Time Delay	< 20µs	
Power		
Input voltage	AC100V ~ 240V 50/60Hz	
Machine power connector	DC socket	
Machine operating voltage	5VDC	
Machine power consumption	4W ~ 10W	1.8W ~ 5W
Working environment		
Storage temperature	-40°C ~ 70°C	
Working temperature	-10°C ~ 55°C	
Relative humidity	5% to 95% non-condensing	
Mechanical Structure		
Size	216 x 133 x 30 mm	160 x 84 x 26 mm
Net Weight	0.55 kg	0.30 kg
Body color	metal and black	

FTTH SO-HO HOTEL B&B 1 GB

LOMCK1G86S

SCHEMA COLLEGAMENTO



LOMCK1GSCS (KIT)

SPECIFICA	LOMCK1GSCS
Protocol Standards	IEEE802.3 10Base-T / IEEE802.3u 100Base-TX/FX / IEEE802.3ab 1000Base-T / IEEE802.3z 1000Base-SX/ LX / IEEE802.3x Flow control / IEEE802.1q VLAN / IEEE802.1pQoS / IEEE802.1d Spanning Tree
RJ45 Ports Parameters	
Connector	RJ45
Transmission Rate	10/100/1000 M
UTP Type	UTP-5E or higher
Distance	0 ~ 100 meters
Fiber Port Parameters	
Connector	SC Simplex Port
Data rate	1.25 G
Optical wavelength	1310nm/1550nm
Distance	10 km
Performance	
Processing Type	Store and forward
MAC Table Size	2K
Buffer Space	1Mbit
Maximum Packet Length	9K bytes
Time Delay	< 20μs
Power	
Input voltage	AC100V ~ 240V 50/60Hz
Connector	DC socket
Working Voltage	5 ~ 16VDC
Power Consumption	0.75 ~ 3W
Environment	
Storage temperature	-40°C ~ +70°C
Operating temperature	-10°C ~ +55°C
Relative humidity	5% to 95% (no condensation)
Physical characteristics	
Dimension	62.3 x 42.3 x 22 mm
Weight	0.1 kg
Color	metal and black

LOMCK1GSCS
Kit composto di LOMCK1GSC53 e LOMCK1GSC35

- 1×1000Base-SX to 1×10/100/1000Base-T Port
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Each port has the complete LED Indicator light
- Support IEEE802.1d Spanning Tree
- Supports high performance QoS function on each port
- Flow control fully supported
- Support broadcast storm protection
- Wide-range redundant power design (5~16VDC)
- 1×9 fixed fiber module or SFP slot optional
- Support max forwarding packet length 9K bytes option
- Requires no configuration and will instantly operate as soon as you power it up
- Small volume
- Low power consumption

FTTH SO-HO HOTEL B&B 1 GB

LOMCK1GSCS (KIT)

SCHEMA COLLEGAMENTO

1 FIBRA OTTICA SINGLE MODE

LOMCXESFP-N, LOLXG****

LOMCXESFP-N

LOLXG*****

SPECIFICHE	
Velocità trasmissione	10Gb/s
Protocolli	IEEE802.3an(10Gbase-T) IEEE802.3ae(10Gbase-SR/LR/ER/ZR)
Tipo di accesso	10G LAN
Tipo di interfaccia	RJ45 To/From SFP+ RJ45 To/From XFP
Distanza di trasmissione	SFP+ module: Up to 80Km XFP module:Up to 80Km 10Gbase-T: 100meters Cat .6a cable
Maximum Packet Forwarding Rate	14,880,950/S
Alimentazione	AC:100V~240V – 50~60HZ DC:40V~50V – 50~60HZ
Consumo	≤6W (senza modulo)
Dimensioni	90 x 60 x 22 mm

LOMCXESFP-N: Media converter, con porta RJ45 da 10G, auto-sensing per SFP slot, LC Duplex - SC Simplex.
Dimensioni 90 x 60 x 22 mm.
LOLXG02D: Modulo SFP 10GBASE-LRM, 1310nm FP, MM, 220 m, Duplex LC.
LOLXG10D: Modulo SFP 10GBASE-LR, 1310nm DFB, SM, 10 km, Duplex LC.
LOLXG20D-27: Modulo SFP 10GBASE-LRM, 1310nm DFB, SM, 20 km, DDM Simplex SC.
LOLXG20D-33: Modulo SFP 10GBASE-BX-D BIDI, 1330nm DFB, SM, 20 km, DDM Simplex SC.

LOMCGESFP-N, LOLG1*****

LOMCGESFP-N

LOLG1*****

SPECIFICHE	
Protocollo	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX
Connessioni	
Rj45	10/100/1000Mbps, Auto MDI/MDI-X
	UTP/STP Cat. 3, 4, 5 Cable EIA/TIA-568 100-ohm(100m)
Connessione Fibra Ottica	
Fibra Ottica	1000Mbps, 1000Base-SX/LX/ZX (SC/ST/FC connector) – Single Mode 0~120Km
Connettore	LC
Lunghezza d'onda	1310nm
Potenza massima trasmissione	≥-10
Sensibilità	≤-25
Varie	
Trasferimento dati	10Mbps,100Mbps,1000Mbps
Voltaggio ingresso	AC100-240V; DC12/-48V
Voltaggio uscita	5V/2A
Consumo	1~5W
Temperatura operativa	0°C ~55°C
Dimensioni	90 x 60 x 22 mm
Peso (lordo)	0.4kg

LOMCGESFP-N: media converter, con porta RJ45 10/100/1000M auto-sensing per SFP slot LC Duplex - SC Simplex. Dimensioni 90 x 60 x 22 mm.
LOLGRJ45: Modulo RJ45 Rame su slot SFP 10/100/1000 BASE
LOLG1G06D: Modulo SFP 1000BASE, 1310nm,FP, MM, 2km, 10dB DDMI Duplex LC
LOLG1G20D: Modulo SFP 1000BASE-LX 1310nm,FP, SM, 20km, 15dB DDMI Duplex LC
LOLG1G20D-35: Modulo SFP 1000BASE-BX-U (TX 1310 RX1550) BIDI 1310nm FP, SM, 20km, 14dB DDMI Simplex SC
LOLG1G20D-53: Modulo SFP 1000BASE-BX-D (TX 1550 RX1310) BIDI 1550nm DFB, SM, 20km, 14dB DDMI Simplex SC
LOLG1G20D-34: Modulo SFP 1000BASE-BX-U (TX 1310 RX1490) BIDI 1310nm FP, SM, 20km, 14dB DDMI Simplex SC
LOLG1G20D-43: Modulo SFP 1000BASE-BX-D (TX 1490 RX1310) BIDI 1490nm DFB, SM, 20km, 14dB DDMI Simplex SC

LOMC2RGESFP-N: media converter, con 2 x RJ45 10/100/1000M auto-sensing per SFP slot LC Duplex - SC Simplex. Dimensioni 90 x 60 x 22 mm.

LOMC2RGESFP-N

LOMCXFESFP, LOLF1*****

LOMCFESFP

LOLF1*****

SPECIFICHE	
Protocollo	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100Base-FX
Connessioni	
RJ45	1×10/100BaseT(X), Auto-negotiation, Auto MDI/MDI-X
	UTP/STP Cat. 3, 4, 5 Cable EIA/TIA-568 100-ohm(100m)
Connessione Fibra Ottica	
Fibra Ottica	1×100Base-FX (SC/ST/FC connector) Single Mode 0~120Km
Connettore	LC
Lunghezza d'onda	1310nm
Potenza massima trasmissione	≥-12
Sensibilità	≤-36
Varie	
Trasferimento dati	10Mbps,100Mbps
Voltaggio ingresso	AC100-240V; DC12/-48V
Voltaggio uscita	5V/1A
Consumo	1~5W
Temperatura operativa	0°C ~55°C
Dimensioni	90 x 60 x 22 mm
Peso (lordo)	0.4 kg

LOMCFESFP: Media converter, con porta RJ45 10/100M auto-sensing per SFP slot LC Duplex - SC Simplex. Dim. 90x60x22mm.
LOLF1E06D: Modulo SFP 100BASE-FX 1310nm FP MM, 2km, 17dB DDMI Duplex LC.
LOLF1E06D-35: Modulo SFP 100BASE-BX-U (TX 1310 RX1550) BIDI 1310nm FP, MM, 2km, 13dB DDMI Simplex SC.
LOLF1E06D-53: Modulo SFP 100BASE-BX-D (TX 1550 RX1310) BIDI 1550nm FP, MM, 2km, 13dB DDMI Simplex SC.
LOLF1E20D: Modulo SFP 100BASE-LX 1310nm FP SM, 20km, 19dB DDMI Duplex LC.
LOLF1E20D-35: Modulo SFP 100BASE-BX-U (TX 1310 RX1550) BIDI 1310nm FP, SM, 20km, 14dB DDMI Simplex SC.
LOLF1E20D-53: Modulo SFP 100BASE-BX-D (TX 1550 RX1310) BIDI 1550nm DFB, SM, 20km, 14dB DDMI Simplex SC.

LOM2SFP - Fiber to fiber converter

LOM2SFP
• 125M~11.7G OEO Converter (3R Repeater) is connection between fiber to fiber 10Gbps equipment
function as fiber media converter, or as fiber repeater for long distance transmission.
• OEO for network backbone (SAN, LAN, MAN). Support SDH/ SONET STM-64/OC-192 10G fiber channel
10G Ethernet etc.
• Can be applied in Telecommunication room, R&D laboratory, Data center, etc.
1310nm/1550nm/CWDM/DWDM Optical Wavelength Conversion.
Support Loopback

SPECIFICHE	
Performance Data	Technical Indexes
Equipment function	3R Repeater
Transmission Speed	125 Mb/s - 11.7Gb/s
Protocols	Fast Ethernet / STS-3/STM-1 / ESCON/SBCON / STS-12/STM-4 / 1×Fiber Channel / Gigabit Ethernet / 2×Fiber Channel / STS-48/STM-16 / 2.5 InfiniBand or PCI Express / 4×Fiber Channel / 8.5G Fiber Channel / SONET OC-192, SDH STM-64 (9.95Gbps) / 10G WAN (10Gbps) / 10G LAN (10.31Gbps) / OTN OTU-2 (G.709) (10.70Gbps) / 10G LAN with 255/237 FEC coding (11.09Gbps) / 10G Fiber Channel (11.32Gbps) / 10G POS
Interface Type	Type A : XFP to SFP+ / Type B : SFP+ to XFP
Transmission Distance	XFP module: up to 80 km / SFP+ module: up to 80 km
Maximum Packet Forwarding Rate	14,880,950/S
Power requirement	Rack-mountable : AC 85 ~ 220V OR DC -48V Standalone: AC 110~220V OR -48V to 5V 2A Power consumption: ≤4W
Work Environment	Operating Temperature: 0 ~ 50°C Storage Temp: -10 ~ 70°C Humidity: 5%~90% (non-condensing)
Dimension	Standalone: 60 x 20 x 90 mm

LOR191PU12-N

LOR191PU12-N: contenitore x 12 Media converter Rack 19"
1 Unità 20Vac doppia alimentazione compatibile su tutti modelli LOMCxESFP-N.

LOMCGD1315-2L, LOMCGD4955-2L

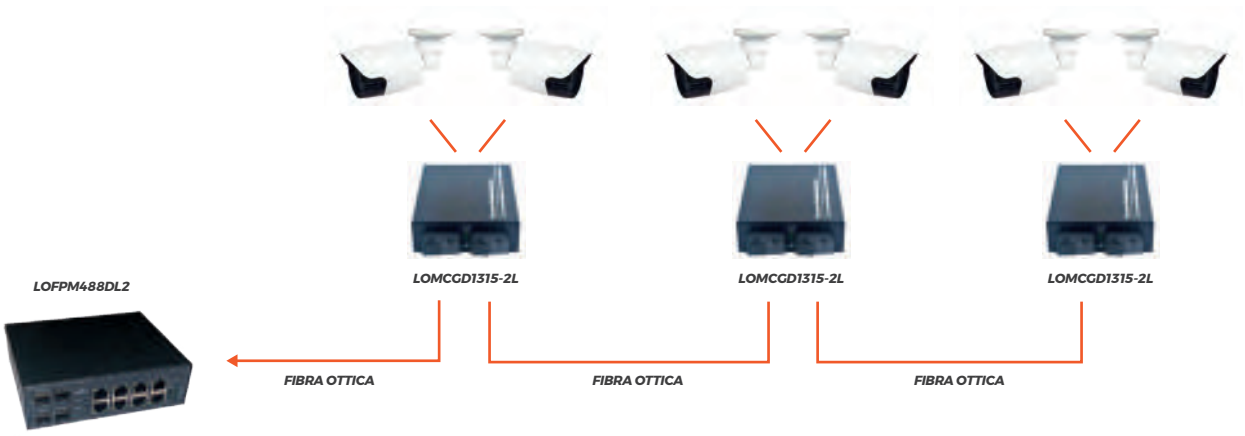
SPECIFICA	LOMCGD1315-2L	LOMCGD4955-2L
Protocol Standards	IEEE802.3 10Base-T / IEEE802.3u 100Base-TX/FX / IEEE802.3ab 1000Base-T / IEEE802.3z 1000Base-SX/LX / IEEE802.3x Flow control / IEEE802.1q VLAN /IEEE802.1pQoS / IEEE802.1d Spanning Tree	
RJ45 Ports Parameters		
Connector	RJ45 x 2	
Transmission Rate	10/100/1000 M	
UTP Type	UTP-5E or higher	
Distance	0 ~ 100 meters	
Fiber Port Parameters		
Connector	SC Simplex Port x 2	
Data rate	1.25 G	
Optical wavelength	1310 nm / 1550 nm 1550 nm / 1310 nm	1490 nm / 1550 nm 1550 nm / 1490 nm
Distance	10 km	40 km
Performance		
Processing Type	Store and forward	
MAC Table Size	2K	
Buffer Space	1Mbit	
Maximum Packet Length	9K bytes	
Time Delay	< 20μs	
Power		
Input voltage	AC100V ~ 240V 50/60Hz	
Connector	DC socket	
Working Voltage	5 ~ 16VDC	
Power Consumption	0.75 ~ 3W	
Environment		
Storage temperature	-40°C ~ +70°C	
Operating temperature	-10°C ~ +55°C	
Relative humidity	5% to 95% (no condensation)	
Physical characteristics		
Dimension	95 x 70 x 25 mm	
Weight	0.1 kg	
Color	metal and black	

LOMCKGD1315-2L, LOMCGD4955-2L

- 2×10/100/1000Base-T Port (4x1000)
- 2 x RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Each port has the complete LED Indicator light
- Support IEEE802.1d Spanning Tree
- Flow control fully supported
- Supports 256 Bridge Multicast groups
- Requires no configuration and will instantly operate as soon as you power it up

LOMCGD1315-2L

SCHEMA COLLEGAMENTO



HORED®

Intelligence Network Switch

AI Poe

• *AI POE:* Lo switch in assenza di un flusso dati per più di 120 secondi, riavvia automaticamente i dispositivi POE connessi alla porta.

AI Extend

• *AI EXTEND:* Supporta POE e dati fino a 250 mt.

AI Qos

• *AI QOS:* Lo Switch dà priorità al flusso video in modo indipendente ad ogni porta.

AI Vlan

• *AI VLAN:* Isola le porte di collegamento tra loro, evita il sovraccarico dei dati di rete e migliora le prestazioni dello switch.

AI Loop

• *AI LOOP:* Controlla automaticamente lo stato del loop dello switch e ne gestisce la direzione del flusso dati.

AI Web

• *AI WEB:* Interfaccia Web per la gestione e la configurazione del dispositivo.

AI Cloud

• *AI CLOUD:* Esclusivamente con l'utilizzo di 7M1APOLLO è possibile usufruire della piattaforma Visual Cloud, che permette la gestione e la manutenzione dei dispositivi (fino a 128) connessi alla medesima rete.

7IS108GPS-4F / 7IS104GPS-2F

L2 Layer2

AI Cloud

7IS108GPS-4F / 7IS104GPS-2F

- MAC address: 8K
- Port Cache: 2Mbit
- 100 Mbps forwarding speed: 148810pps
- Gigabit forwarding speed: 1488100pps
- 100M maximum filter speed: 148810pps
- Gigabit maximum filtration speed: 1488100pps
- Transmission method: store and forward
- Backplane bandwidth: 24Gbps
- Switching Delay: <5us
- Input voltage: 48-56VDC
- Input method: plug-in 5-core 5.08mm pitch terminal block
- Support dual DC power backup, built-in over current protection
- Power supply anti-reverse connection

AI Poe · AI Extend · AI Qos · AI Vlan · AI Loop · AI Web

SPECIFICA	7IS108GPS-4F / 7IS104GPS-2F	
Chip	Broadcom high performance chip	
Flash/Ram	16Mb/64Mb DDR4	
Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-T IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X IEEE 802.3af/at	
Exchange characteristics	MAC address: 8K Port Cache: 2Mbit Backplane bandwidth: 12Gbps Switching Delay: <5us 100Mbps forwarding speed: 148810pps Gigabit forwarding speed: 1488100pps 100M maximum filter speed: 148810pps Gigabit maximum filtration speed: 1488100pps	
Port	RJ45 port: 8 10/100/1000Base-Tx RJ45 ports - Max power 46W port Optical port: 4 1000Base-X (SFP)	RJ45 port: 4 10/100/1000Base-Tx RJ45 ports - Max power 46W port Optical port: 2 1000Base-X (SFP)
Front panel indicator	Interface indicator: Link(1~4/F1~F2)	
Power supply	Input voltage: 48VDC Input method: 5-pin 3.81mm-spacing plug-in terminal block Support dual DC power backup, built-in over current protection Power supply support anti-reverse connection	
Power consumption	No-load power: 4W@48VDC Full load power: 60W@48VDC (including POE output)	
Physical characteristics	Housing: IP40 grade protection, corrugated high strength metal housing Installation: DIN rail mounting Dimensions (L× W × H): 134mm×30mm×90mm Weight: 0.5kg	
Industry Standard	EMI:FCC CFR47 Part 15, EN55022/CISPR22, Class A EMS: IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air) IEC61000-4-3 (RS): 10V/m (80MHz-2GHz) IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±6kV IEC61000-4-6(CS):3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC60068-2-6 (Vibration) IEC60068-2-27 (Shock) IEC60068-2-32 (Free Fall)	
Working environment	Working temperature: -40~75°C Storage temperature: -40~75°C Relative humidity: 5%~95% (no condensation)	
Certification	CE, FCC, RoHS	
MTBF	100,000 hrs	
ESD	Contact: ±8KV Air: ±15KV	

7IS108GPS-4F / 7IS104GPS-2F

SCHEMA COLLEGAMENTO

7S5700-12G-12F

SPECIFICA	7S5700-12G-12F
Chipset	Broadcom high performance chip
Flash	16MB
Storage	128MB DDR
Port	12 10/100/1000Mbps RJ45 port 12 Gigabit SFP port 1 RJ45 Console port
Performance	Forward mode: store and forward Bandwidth: 48Gbps Packet forwarding rate: 41.664Mpps Support 8K MAC address table depth
Lightning protection	±6KV
ESD	Contact: ±6KV Air: ±8KV
Input power	100-240V/50-60Hz
Dimensions (L×W×H)	440mm×180mm×44mm

7S5700-12G-12F

- Support hardware watchdog, restore factory Settings, system and port LED
- Support global information, statistics, log information
- Support user management, alarm management, configuration management
- Support port rate, duplex, flow control, maximum frame length configuration
- Support port mirroring, port speed limit, port energy saving
- Support three management methods: local management, cloud management, mobile management
- Prevention in advance - Real-time map, fast fault location
- Cloud operation, maintenance, configuration, upgrade batch processing
- Multi-user, multi-dimensional authority, hierarchical control
- AI blessing, intelligent scheduling
- Business analysis and decision making - Open interface, customer business import
- Support for automatic identification, management and acquisition of information about the downlink device
- Support Layer 2 interface
- Support port redirection, flow rate limiting, QoS re-marking

7S5700-12G-12F

SCHEMA COLLEGAMENTO

7S5700-24F-8G-4TF

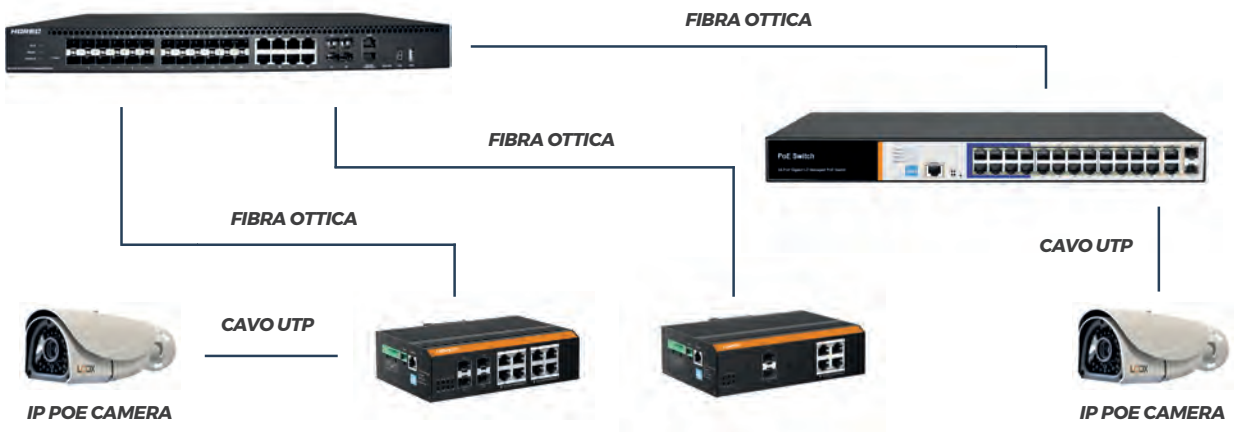
SPECIFICA	7S5700-24F-8G-4TF
Chipset	Broadcom high performance chip
Flash	16MB
Storage	256MB DDR
Port	8 10/100/1000Mbps RJ45 ports Combo 4 10G SFP ports 24 Gigabit SFP ports 1 RJ45 Console port 1 USB 2.0 , 1 Mini-usb Console port
Performance	Forward mode: store and forward Bandwidth: 128Gbps Rate: 96Mpps Support 16K MAC address table depth
Lightning protection	±6KV
ESD	touch : ±6KV air : ±8KV
Input power	100-240V/50-60Hz
Dimensions (L×W×H)	440mm×320mm×44mm

7S5700-24F-8G-4TF

- Support hardware watchdog, restore factory Settings, system and port LED
- Support global information, statistics, log information
- Support user management, alarm management, configuration management
- Support port rate, duplex, flow control, maximum frame length configuration
- Support port mirroring, port speed limit, port energy saving
- Support three management methods: local management, cloud management, mobile management
- Prevention in advance - Real-time map, fast fault location
- Cloud operation, maintenance, configuration, upgrade batch processing
- Multi-user, multi-dimensional authority, hierarchical control
- AI blessing, intelligent scheduling
- Business analysis and decision making - Open interface, customer business import
- Support for automatic identification, management and acquisition of information about the downlink device
- Support Layer 3 interface
- Support port redirection, flow rate limiting, QoS re-marking

7S5700-24F-8G-4TF

SCHEMA COLLEGAMENTO



7S5700-48GP-4TF / 7PS2024G

L3 Layer3 | AI Cloud

AI Poe | AI Extend | AI Qos | AI Vlan | AI Web

SPECIFICA	7S5700-48GP-4TF
Chipset	Broadcom high performance chip
Flash	16MB
Storage	256MB DDR
Port	48 10/100/1000Mbps RJ45 ports Combo 4 10G SFP ports 1 RJ45 Console port 1 USB 2.0, 1 Mini-usb Console port
Performance	Forwarding rate: 130.9Mpps Bandwidth 176Gbps Support 16K MAC address table depth
PoE	24 10/100/1000Mbps RJ45 port support PoE Max 300W Single port max 46W
Input	100-240V/50-60Hz
Dimensions (L×W×H)	440mm×320mm×44mm

L3 Layer3 | AI Cloud

AI Poe | AI Extend | AI Qos | AI Vlan | AI Web

SPECIFICA	7PS2024G
Chipset	Broadcom high performance chip
Flash	16MB
Storage	256MB DDR
Port	24 10/100/1000Mbps RJ45 port 4 gigabit SFP fiber port 1 Console port
Performance	Forwarding mode: store and forward Switch Volume (Full-duplex): 56Gbps Packet forwarding rate: 41.664Mpps 8K MAC address table
PoE	24 10/100/1000Mbps RJ45 port support PoE Max 400W Single port max 30W
LEDs	28 Link/Act LEDs 24 POE LEDs 1 Power LEDs
Input	100-240V/50-60Hz
Dimensions (L×W×H)	440mm×320mm×44mm

7S5700-48GP-4TF / 7PS2024G

- Support hardware watchdog, restore factory Settings, system and port LED
- Support global information, statistics, log information
- Support user management, alarm management, configuration management
- Support port rate, duplex, flow control, maximum frame length configuration
- Support port mirroring, port speed limit, port energy saving
- Support three management methods: local management, cloud management, mobile management
- Prevention in advance - Real-time map, fast fault location
- Cloud operation, maintenance, configuration, upgrade batch processing
- Multi-user, multi-dimensional authority, hierarchical control
- AI blessing, intelligent scheduling
- Business analysis and decision making - Open interface, customer business import
- Support for automatic identification, management and acquisition of information about the downlink device
- Support Layer 2 interface
- Support port redirection, flow rate limiting, QoS re-marking

7PS3016GS / 7PS3024GS

SPECIFICA	7PS3016GS	7PS3024GS
Network standard	IEEE 802.3i IEEE 802.3u IEEE 802.3x IEEE 802.3ab IEEE 802.3af IEEE 802.3at	
Port	16 10/100/1000Mbps RJ45 port 2 gigabit SFP 1 Console	24 10/100/1000Mbps RJ45 port 2 gigabit SFP 1 Console
PoE	16 10/100/1000Mbps RJ45 port support PoE+ Max 150W Single port max 46W	24 10/100/1000Mbps RJ45 port support PoE+ Max 250W Single port max 46W
LEDs	18 Link/Act LEDS 16 POE LEDs 1 SYS LED 1 Power LED	26 Link/Act LEDS 24 POE LEDs 1 SYS LED 1 Power LED
Performance	Forwarding mode: store and forward Bandwidth: 36Gbps Packet forwarding rate: 23.8Mpps 8K MAC address table	Forwarding mode: store and forward Bandwidth: 52Gbps Packet forwarding rate: 23.8Mpps 8K MAC address table
Lightning protection	6KV	
Input	100-240V/50-60Hz	
Dimension (L×W×H)	440*180*44mm	

L2 Layer2

AI Cloud

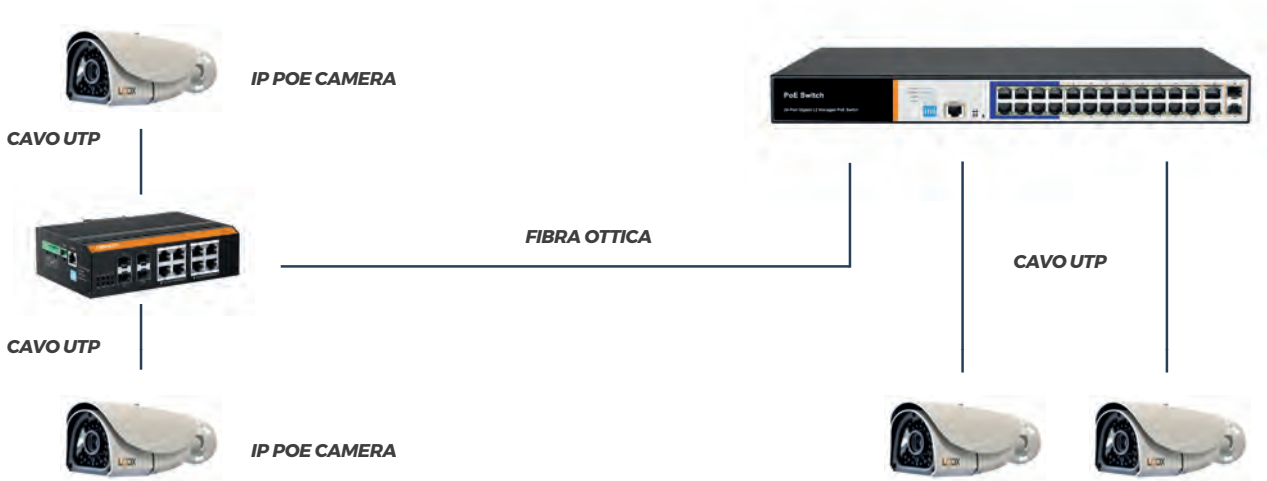
7PS3016GS / 7PS3024GS

- Support hardware watchdog, restore factory Settings, system and port LED
- Support global information, statistics, log information
- Support user management, alarm management, configuration management
- Support port rate, duplex, flow control, maximum frame length configuration
- Support port mirroring, port speed limit, port energy saving
- Support three management methods: local management, cloud management, mobile management
- Prevention in advance - Real-time map, fast fault location
- Cloud operation, maintenance, configuration, upgrade batch processing
- Multi-user, multi-dimensional authority, hierarchical control
- AI blessing, intelligent scheduling
- Business analysis and decision making - Open interface, customer business import
- Support for automatic identification, management and acquisition of information about the downlink device
- Support Layer 2 interface
- Support port redirection, flow rate limiting, QoS re-marking

AI Poe | AI Extend | AI Qos | AI Vlan | AI Web

7PS3016GS / 7PS3024GS

SCHEMA COLLEGAMENTO



7PS2010G

SPECIFICA	7PS2010G
Network standard	IEEE 802.3i IEEE 802.3u IEEE 802.3x IEEE 802.3ab IEEE 802.3af IEEE 802.3at
Port	8 10/100/1000Mbps RJ45 port 2 gigabit SFP fiber port 1 Console port
PoE	8 10/100/1000Mbps RJ45 port support PoE Max 150W Single port max 46W
LEDs	10 Link/Act LEDs 8 POE LEDs 1 Power LEDs 1 SYS LED
Performance	Forwarding mode: store and forward Switch Volume (Full-duplex): 20Gbps Packet forwarding rate: 14.88Mpps 8K MAC address table
Lightning protection	6KV
Dimension (L×W×H)	285×180×44mm

7PS2010G

- Support hardware watchdog, restore factory Settings, system and port LED
- Support global information, statistics, log information
- Support user management, alarm management, configuration management
- Support port rate, duplex, flow control, maximum frame length configuration
- Support port mirroring, port speed limit, port energy saving
- Support three management methods: local management, cloud management, mobile management
- Prevention in advance - Real-time map, fast fault location
- Cloud operation, maintenance, configuration, upgrade batch processing
- Multi-user, multi-dimensional authority, hierarchical control
- AI blessing, intelligent scheduling
- Business analysis and decision making - Open interface, customer business import
- Support for automatic identification, management and acquisition of information about the downlink device
- Support Layer 2 interface
- Support port redirection, flow rate limiting, QoS re-marking

7PS2010G

SCHEMA COLLEGAMENTO

7M1APOLLO

AI Cloud

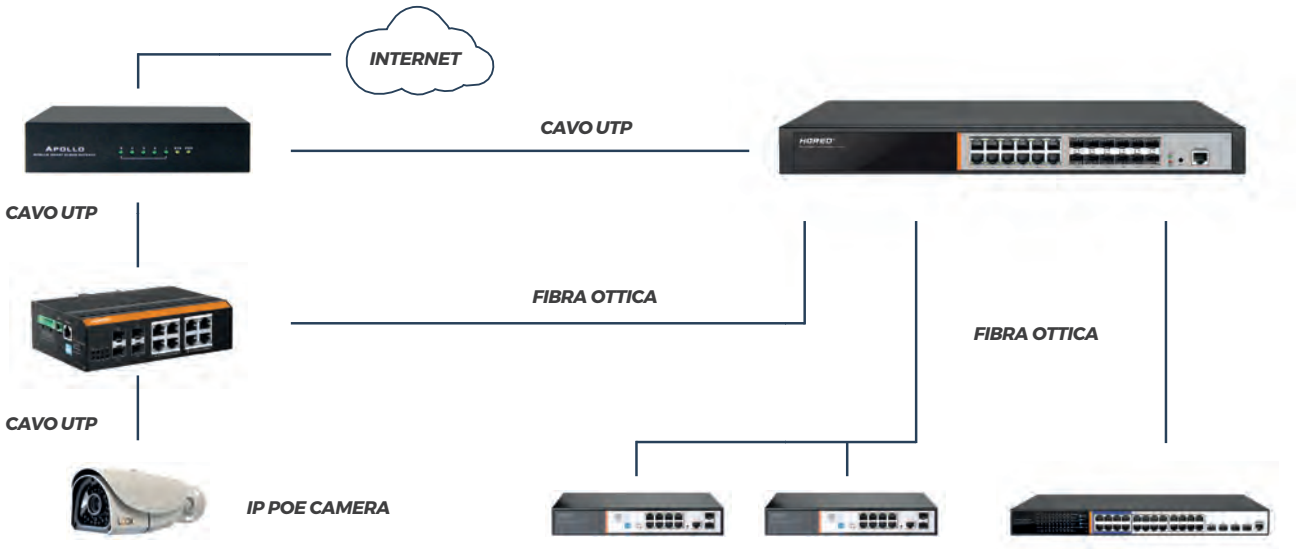
SPECIFICA	7M1APOLLO
Chipset	Qualcomm high-performance chip
Flash	16Mb
RAM	128Mb DDR
Network interface	4 10/100/1000Mbps RJ45 port (port 1~port 4) 1 10/100/1000Mbps RJ45 port (port 5 can be used as WAN) Standard Protocol: IEEE802.3i IEEE802.3u IEEE802.3x
LED Indicator	1 power indicator 1 system indicator 5 LINK/ACT indicator
Power supply	Input: 100-240V 50/60HZ Output: 12V-1A Maximum power supply: 5.21W Reset button (long press 5~10s to restore factory default configu-ration)
Physical specification	Dimension (Length x Width x Height): 159x104.5x37mm Weight: 0.6kg
Environmental specification	Operation temperature: 0°~40°C Storage temperature: -40°~70°C Operation humidity: 10%~90%, non-condensing
Safety specification	CE/ROHS/FCC/CCC

7M1APOLLO

- The equipment is centralized on one platform, namely the APOLLO platform, which manages operations and maintenance in a unified manner.
- The device can be managed, operated, and maintained in three ways: mobile, PC, and local. 1000Mbps full duplex
- Support for up to 128 devices
- Backplane bandwidth: 10Gbps (Non-blocking)
- Support system alarms, log statistics
- Support automatic discovery of cameras for detailed information
- Support discovery and access to PC terminal information
- Support SNMP protocol, discover and manage devices which support SNMP protocol
- Cloud pass-through function. Realize data transmission of the connected device
- CE/ROHS/FCC/CCC

7M1APOLLO

SCHEMA COLLEGAMENTO



NOVATEC
EUROPE

wavlink

Outdoor A.P.

Wi-Fi Extender

Wi-Fi Mesh

Access Point

Router Wi-Fi

CATALOGO
WIRELESS HI-PRO
2021 - Q2

Wireless Hi-Pro / Streaming & Game
2021 - Q1

INDICE

P3
Router Wi-Fi Mesh

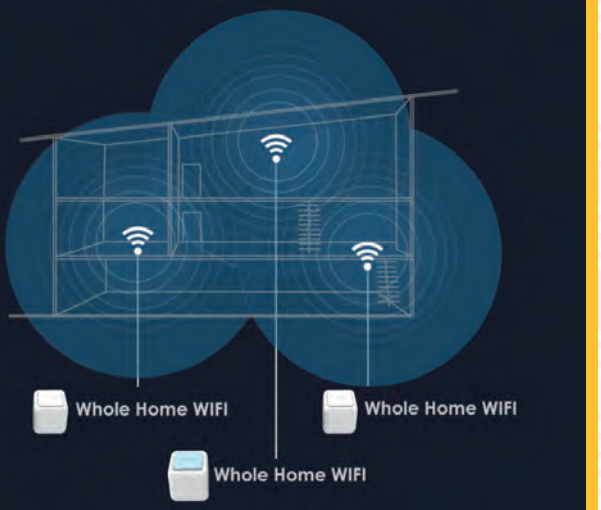
P7
Router Wi-Fi

P15
Outdoor Access Point

P7
Power Line

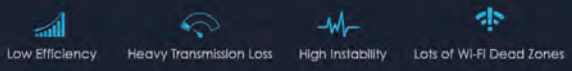
Mesh Wi-Fi System

Wi-Fi points work together to create one reliably strong and fast Wi-Fi system, covering your whole home.



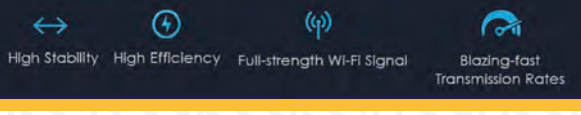
Traditional Router with Repeater

Huge Degradation



100% Wi Fi Mesh Network Signal

Full Strength



TOUCH AND CONNECT

NO MORE HARD TIMES FIGURING THE PASSWORDS

With intuitive WAVLINK APP

you can easily manage your network from any Android or iOS device.

Available on the APP STORE

Download on the Android Market

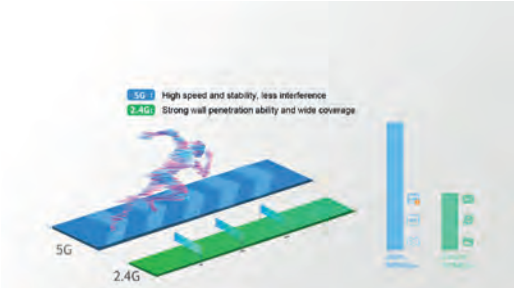
WL HALO12ML - TouchLink AC1200 Smart 4G Router Mesh Wi-Fi

WL HALO12ML

SPECIFICHE	WL HALO12ML
Ports	1 x 10/100/1000Mbps WAN Port1 x 10/100/1000Mbps LAN Port1 x 4G Sim Card Slot
Button	1 x Reset1 x Pair1 x TouchLink1x POWER ON/OFF switch
LED	1 x LAN1 x WAN1 x Status (Blue + Red)1 x 4G LED
Power Supply	DC 12V/1A
Rated Voltage/ requency	input: 100-240 Va.c. 50/60Hz
Unit Dimensions	90mm x 90mm x 95mm (L x W x H)
Operating Temperature	0°C~40°C
Relative Humidity	10%~90%, noncondensing
Standard	IEEE 802.11b/g/n/a/ac
Frequency band	2.4GHz, 5GHz
Speed	802.11ac: up to 867Mbps, 802.11n: up to 300Mbps 802.11a: up to 54Mbps, 802.11g: 54Mbps 802.11b: 11Mbps
Wireless Security	WPA/WPA2, WPA-PSK/WPA2-PSK encryption
Antennas	2 x 2.4G 3dBi Omni Directional Antennas 2 x 5G 3dBi Omni Directional Antennas 2 x 4G LTE Omni Directional Antennas
Distance	Outdoors 300m, Indoor 100m (According to the actual environment change)
WAN Type	PPoE, Dynamic IP, Static IP, WISP
DHCP Settings	Server, Client
Other settings	Time Setting / DDNS / Static Router / DHCP Server / Wireless Setting

TouchLink AC1200 Smart 4G Router
The Smart Wi-Fi Router complies with IEEE 802.11b/g/h standards. With combined wireless speeds of up to 2.4GHz 300Mbps. Is possible build a Mesh Wi-Fi System with other extenders

Main features:
- Fast LTE CAT4, Speed: 150Mbps Download / 50Mbps Upload
- Complies with IEEE 802.11ac/a/n/g/b standards
- Simultaneous 5G 867Mbps and 2.4G 300Mbps connections for 1167Mbps of total available bandwidth
- 6 x Internal antennas provide omnidirectional stable signal and superior wireless/4G coverage
- Provides 10/100/1000Mbps Auto-Negotiation Ethernet WAN/LAN ports
- Supports by 4G LTE, PPPoE, Dynamic IP, Static IP to the Internet
- Supports 4G LTE / WAN Internet Connection Auto detect
- Support TouchLink function, easy to share WIFI with your friends
- Supports Everything Mesh Router function, can add Mesh Externders build a Mesh Wi-Fi System (Optional)



WL Halo Polar - Tri-Band Whole Home Mesh Wi-Fi System

WL Halo Polar3:
3-Units Tri-Band Mesh Wi-Fi Router Kit

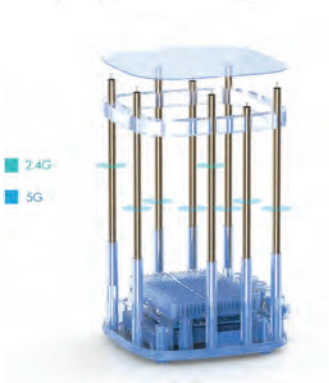
WL Halo Polar2:
2-Units Tri-Band Mesh Wi-Fi Router Kit

WL Halo Polar:
Unit Tri-Band Mesh Wi-Fi Router

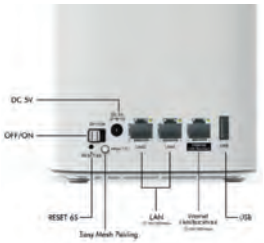
SPECIFICHE	WL HALO POLAR X3
Ports	1 x10/100/1000Mbps WAN PORT 2 x10/100/1000Mbps LAN PORT 1 xUSB 2.0
Button	1 x Power On/Off, 1 x Reset, 1 x Pair Button, 1 x TouchLink
LED	3 x 1000Mbps LAN/WAN, 1xStatus (Blue+Red)
Chipset	MT7621DA+MT7615D+MT7615N
Flash	128Mb
SDRAM	1Gb
Power Supply	DC 12V 2A
Rated Voltage/ requency	input: 100-240 Va.c. 50/60Hz
Unit Dimensions	119mm x 120mm x 197.6mm (L x W x H)
Operating Temperature	0°C~40°C
Relative Humidity	10%~90%, noncondensing
Standard	IEEE 802.11b/g/n/a/ac
Frequency band	2.4GHz, 5GHz
Transmit Power	2.4G: 20DBm, 5G: 23DBm MAX
Sensitivity	802.11b: -93dBm /802.11g: -73dBm / 802.11n: -68dBm
Speed	802.11ac: up to 1733Mbps + 867Mbps, 802.11n: up to 400Mbps 802.11a: up to 54Mbps, 802.11g: 54Mbps 802.11b: 11Mbps
Wireless Security	WPA-PSK/ WPA2-PSK encryption
Antennas	2x5dBi 2G Omni Directiona 6x7dBi 5G Omni Directiona
Distance	Indoor 1500sq.ft/Each (According to the actual environment change)
WAN Type	PPPoE, Dynamic IP, Static IP, WISP
DHCP Settings	Server, Client
USB Sharing	Support Samba (Storage)

AC3000 Tri-Band Whole Home Mesh WiFi System
2.4GHz 400Mbps
5GHz 867Mbps+1733Mbps
Standards 802.11ac/a/n/g/b
TouchLink easy connection

Coverage Area
Up to 10 satellites as you need. Each unit covers 150mq, while the 3-unit kit covers 500mq, and 2-unit kit covers 300mq, depending on how you place them at your home.



Main features:
- Free installation, automatic networking, easily fill the whole house with WiFi coverage.
- Powerful tri-band Mesh Wi-Fi System distributes 100% Internet speed to the edge of your Wi-Fi network at home, without signal degradation when the end device is moving around.
- Mesh Wi-Fi solution is built to connect with each other in a single network configuration. If one Node loses connection, the remaining units will reestablish Internet connection, automatically and seamlessly.
- Mesh Wi-Fi System chooses the fastest path for device connections and keeps your network running as fast as possible.
- Built-in high-power amplifiers to provide extreme Wi-Fi coverage and penetration.
- Patented omni-directional internal antennas: 6 x 7dBi 5G antennas + 2 x 5dBi 2.4G antennas providing even better wireless performance.
- 3 x 10/100/1000Mbps Auto-Negotiation Gigabit Ethernet ports.
- USB 2.0 Port - share files & media with networked devices
- MU-MIMO technology communicates with several devices at once to speed up connections and reduce waiting time.
- Tri-Band technology creates three separate Wi-Fi bands to connect more devices to your network without sacrificing performance.
- TouchLink function can easily set up a separate and secure Wi-Fi network for visitors and guests to use.
- Easy setup assistant with multi-language support provides a quick & hassle-free installation process.



WL Halo Base PRO - Dual Band Whole Home Mesh Wi-Fi System

WL Halo Base3P:
3-Units Dual-Band Mesh Wi-Fi Router Kit

WL Halo Base2P:
2-Units Dual-Band Mesh Wi-Fi Router Kit

WL Halo BaseP:
Unit Dual-Band Mesh Wi-Fi Router

SPECIFICHE	WL HALO BASE X3P
Ports	1 x10/100/1000Mbps WAN/LAN Backhaul PORT 1 x10/100/1000Mbps LAN PORT
Button	1 x Reset&Pair, 1 x Touch cover, 1x POWER ON/OFF switch
LED	3 x LAN/WAN, 2x Status
Solution	MT7621A+MT7612E+RTL8211F
Flash	64Mb
DDR2 RAM	512Mb
Power Supply	DC 5V 2A
Rated Voltage/ requency	input: 100-240 Va.c. 50/60Hz
Unit Dimensions	90mm x 90mm x 95mm (L x W x H)
Operating Temperature	0°C~40°C
Relative Humidity	10%~90%, noncondensing
Standard	IEEE 802.11b/g/n/a/ac
Frequency band	2.4GHz, 5GHz
Transmit Power	2.4G: 23DBm MAX 5G: 27DBm MAX
Sensitivity	802.11b: -93dBm /802.11g: -73dBm /802.11a: -76dBm / 802.11n: -68dBm
Speed	Band 1: 300Mbps@2.4GHz Band 2: 867Mbps@ 5GHz
Wireless Security	WPA/WPA2, WPA-PSK/WPA2-PSK encryption
Antennas	4x3dBi Omni Directional Antennas inside
Coverage Area	WN535K3: 4500sq.ft - WN535K2: 3000sq.ft (According to the actual environment change)
WAN Type	PPoE, Dynamic IP, Static IP
DHCP Settings	Server, Client
Other Settings	Time Setting / DDNS / DHCP Server / Wireless Setting

AC1200 Dual Band Whole Home Mesh Wi-Fi System
2.4GHz 300Mbps
5GHz 867Mbps
Standards 802.11ac/a/n/g/b
TouchLink easy connection

Coverage Area
Up to 10 satellites as you need. Each unit covers 120mq, while the 3-unit kit covers 330mq, and 2-unit kit covers 220mq, depending on how you place them at your home.

Main features:
- Free installation, automatic networking, easily implement whole house Wi-Fi coverage
- According to the demand can be added to the 10 Mesh Satellite
- Complies with IEEE 802.11ac/a/n/g/b standards
- Simultaneous 5G 867Mbps and 2.4G 300Mbps connections for 1167Mbps of total available bandwidth
- 4x Internal antennas provide omnidirectional stable signal and superior wireless coverage
- Provides 10/100/1000Mbps Auto-Negotiation Ethernet WAN/LAN ports
- Supports by PPPoE, Dynamic IP, static IP and WISP access to the Internet
- Built-in DHCP server with automatic dynamic IP address distribution
- Support touch link function, easy to share WI-FI with your friends

WL Aerial HD4 - HighPower Wi-Fi Outdoor AP/Repeater

WL Aerial HD4

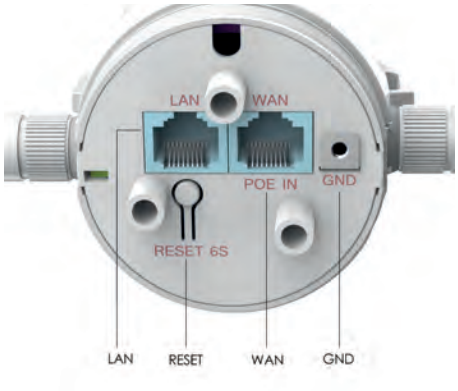
SPECIFICHE	WL AERIAL HD4
Ports	1 x WAN 1000Mbps, 1xLAN 100Mbps
Button	1 x Reset
LED	1 x Power, 1xWAN, 1xLAN, 1 x WiFI , 3 x Signal
Chipset	MT7620A+7612E
Flash	64Mb
DDR2	512Mb
Power Supply	DC24V / 0.5A Power over Ethernet (Passive PoE)
Rated Voltage/ requency	input: 100-240 Va.c. 50/60Hz
Unit Dimensions	180mm x 50mm x 50mm (L x W x H)
Operating Temperature	-30 °C to 70 °C (-22 to 158°F)
Relative Humidity	10%~90%,noncondensing
Standard	IEEE 802.11b/g/n/a/ac
Frequency band	2.4GHz, 5GHz
Transmit Power	2.4G: 27dBm MAX 5G: 24dBm MAX
Sensitivity	802.11b: -93dBm /802.11g: -73dBm / 802.11n: -68dBm
Speed	802.11ac: up to 867Mbps, 802.11n: up to 300Mbps 802.11a: up to 54Mbps, 802.11g: 54Mbps 802.11b: 11Mbps
Wireless Security	WPA-PSK/ WPA2-PSK encryption
Antennas	4x7dBi Detachable Omni Directional
Distance	Outdoors 500m, Indoor 150m (According to the actual environment change)
WAN Type	PPPoE, Dynamic IP, Static IP, WISP, Repeater
DHCP Settings	Server, Client
Other settings	Time Setting / DDNS / Static Router / DHCP Server / Wireless Setting

AC1200 HighPower Wi-Fi Outdoor AP/Repeater

Eliminate Wi-Fi Dead Zones, Professional Outdoor Design Maximum Speed up to 5GHz 867Mbps and 2.4GHz 300Mbps Robust weatherproof case withstands harsh outdoor conditions. Passive PoE Support for Flexible Deployment

Main features:

- The next generation of Wi-Fi, leading 802.11ac standard
- Complies with IEEE 802.11 ac/a/b/g/n, standards
- Dual-Band Speed up to 2.4GHz 300Mbps, 5GHz 867Mbps
- Weater-Proof RJ45 Connector, Integragted Passive Power over Ethernet (PoE)
- Passive PoE Support for Flexible Deployment
- Provides high performance at a Long-Range Links, depending on its antenna.
- Features up to 1000mW of power and an enhanced receiver design
- Robust weatherproof case withstands harsh outdoor conditions.
- Operation Modes : Router , AP , Repeater , WISP
- Maxmum Security with 802.1X, WAP, and WPA2
- Support 3 LEDs Wireless Signal Strength
- Build in lightning arrester (15kV ESD)



WL Aerial HD2 - HighPower Wi-Fi Outdoor AP/Repeater

WL Aerial HD2

SPECIFICHE	WL AERIAL HD2
Ports	1 x WAN/LAN
Button	1 x Reset 8s
LED	1 x Power, 1xWAN/LAN, 1 x WiFI , 3 x Signal
Chipset	MT7688A+7610E
Flash	64Mb
DDR2	512Mb
Power Supply	DC24V / 0.5A Power over Ethernet (Passive PoE)
Rated Voltage/ requency	input: 100-240 Va.c. 50/60Hz
Unit Dimensions	180mm x 50mm x 50mm (L x W x H)
Operating Temperature	-30 °C to 70 °C (-22 to 158°F)
Relative Humidity	10%~90%, noncondensing
Standard	IEEE 802.11b/g/n/a/ac
Frequency band	2.4GHz, 5GHz
Transmit Power	30DBm MAX
Sensitivity	802.11b: -93dBm /802.11g: -73dBm / 802.11n: -68dBm
Speed	802.11ac: up to 433Mbps, 802.11n: up to 150Mbps 802.11a: up to 54Mbps, 802.11g: 54Mbps 802.11b: 11Mbps
Wireless Security	WPA-PSK/ WPA2-PSK encryption
Antennas	2x7dBi Detachable Omni Directional
Distance	Outdoors 500m, Indoor 150m (According to the actual environment change)
WAN Type	PPPoE, Dynamic IP, Static IP, WISP, Repeater
DHCP Settings	Server, Client
Other settings	Time Setting / DDNS / Static Router / DHCP Server / Wireless Setting

AC600 HighPower Wi-Fi Outdoor AP/Repeater

Eliminate Wi-Fi Dead Zones,
Professional Outdoor Design
Maximum Speed up to 5GHz 433Mbps and 2.4GHz 150Mbps
Robust weatherproof case withstands harsh outdoor conditions. Passive PoE Support for Flexible Deployment

Main features:

- The next generation of Wi-Fi, leading 802.11ac standard
- Complies with IEEE 802.11 ac/a/b/g/n, standards
- Dual-Band Speed up to 2.4GHz 150Mbps, 5GHz 433Mbps
- Weater-Proof RJ45 Connector, Integragted Passive Power over Ethernet (PoE)
- Passive PoE Support for Flexible Deployment
- Provides high performance at a Long-Range Links, depending on its antenna.
- Features up to 1000mW of power and an enhanced receiver design
- Robust weatherproof case withstands harsh outdoor conditions.
- Operation Modes : Router , AP , Repeater , WISP
- Maxmum Security with 802.1X, WAP, and WPA2
- Support 3 LEDs Wireless Signal Strength
- Build in lightning arrester (15kV ESD)

WL Quantum T8 - Wireless Tri-Band Gigabit Router

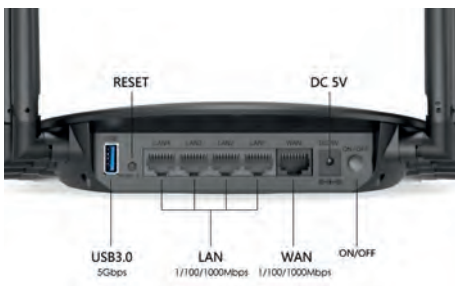
WL Quantum T8

SPECIFICHE	WL QUANTUM T8
Ports	1 xWAN 1000Mbps, 4xLAN 1000Mbps, 1xUSB3.0
Button	1 xPower On/Off, 1xReset , 1xWPS, 1xTurbo, 1xTouchLink
LED	4 xLAN, 1xWAN, 1xWiFi, 1xPower, 1xLogo
Chipset	MT7621A+MT7615D+MT7615N
Flash	128Mb
SDRAM	1Gb
Power Supply	DC5V 4A
Rated Voltage/ requency	input: 100-240 Va.c. 50/60Hz
Unit Dimensions	235mm x235 mm x 40mm (L x W x H)
Operating Temperature	0°C~40°C
Relative Humidity	10%~90%, noncondensing
Standard	IEEE 802.11b/g/n/a/ac
Frequency band	2.4GHz, 5GHz
Transmit Power	20DBm MAX
Sensitivity	802.11b: -93dBm /802.11g: -73dBm / 802.11n: -68dBm
Speed	802.11ac: up to 867Mbps+1733Mbps, 802.11n: up to 400Mbps 802.11a: up to 54Mbps, 802.11g: 54Mbps 802.11b: 11Mbps
Wireless Security	WPA-PSK/ WPA2-PSK encryption
Antennas	8x5dBi Omni Directiona Antennas
Distance	Outdoors 300m, Indoor 100m (According to the actual environment change)
WAN Type	PPPoE, Dynamic IP, Static IP, WISP
DHCP Settings	Server, Client
USB Sharing	Support Samba (Storage)

AC3000 Wireless Tri-Band Gigabit Router
Supports 802.11ac/a/n/g/b standards
2.4GHz 400Mbps and 5GHz 867Mbps+1733Mbps connections

Main features:

- The next generation of Wi-Fi, leading 802.11ac standard
- Complies with IEEE 802.11ac/a/n/g/b standards
- Simultaneous 5GHz 867Mbps+1733Mbps and 2.4GHz 400Mbps connections for 3000Mbps of total available bandwidth
- 8 x 5dBi Omni-Directional Antennas providing even better wireless performance
- Provides 1 x 10/100/1000Mbps Ethernet WAN port
- Provides 4 x 10/100/1000Mbps Ethernet LAN port
- USB3.0 Port - share files & media with networked devices
- MU-MIMO communicates with several devices at once to reduce waiting time and speed up connections
- Tri-Band technology creates three separate Wi-Fi bands for connecting more devices to your network without a drop in performance
- Built-in firewall features IP and MAC filtering which flexibly controls online access and time
- Built-in DHCP server with automatic dynamic IP address distribution
- Touch link function : Touch the logo, user can connect the guest Wi-Fi with no enter the password in two minutes, and then free access to the Internet
- Easy Setup Assistant with multi-language support provides a quick & hassle-free installation process



WL Quantum D4G - Wireless Dual-Band Gigabit Router

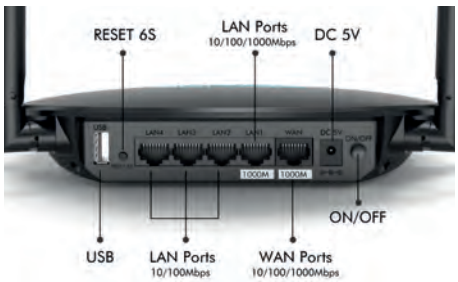
WL Quantum D4G

SPECIFICHE	WL QUANTUM D4G
Ports	1 x10/100/1000Mbps WAN PORT , 1 x10/100/1000Mbps LAN PORT , 3x10/100Mbps LAN PORTS, 1x USB 2.0
Button	1 xReset , 1 xWPS, 1 xTURBO x1, 1 xPOWER button, 1 xTouch cover
LED	4 xLAN, 1xWAN, 1xWiFi, 1xPower, 1xLogo
Solution	MT7620A+MT7612E+RTL8211F
Flash	64Mb
SDRAM	512Mb
Power Supply	DC 5V 2A
Rated Voltage/ requency	input:100-240 Va.c. 50/60Hz
Unit Dimensions	200mm x 200mm x 30mm (L x W x H)
Operating Temperature	0°C~40°C
Relative Humidity	10%~90%,noncondensing
Standard	IEEE 802.11b/g/n/a/ac
Frequency band	2.4GHz, 5GHz
Transmit Power	20DBm MAX
Sensitivity	802.11b: -93dBm /802.11g: -73dBm / 802.11n: -68dBm
Speed	802.11ac: up to 867Mbps, 802.11n: up to 300Mbps 802.11a: up to 54Mbps, 802.11g: 54Mbps 802.11b: 11Mbps
Wireless Security	WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
Antennas	4x5dBi Omni Directional Antennas
Distance	Outdoors 300m, Indoor 100m (According to the actual environment change)
WAN Type	PPoE, Dynamic IP, Static IP, WISP
DHCP Settings	Server, Client, DHCP Client List
USB Sharing	Support Samba (Storage)

AC1200 TouchLink Smart Dual Band GIGA Wi-Fi Router
Supports 802.11ac/a/n/g/b standards
2.4GHz 300Mbps and 5GHz 867Mbps connections

Main features:

- Complies with IEEE 802.11ac/a/n/g/b standards
- Simultaneous 5G 867Mbps and 2.4G 300Mbps connections for 1167Mbps of total available bandwidth
- USB Port - share files & media with networked devices
- Guest Wi-Fi provides secure Wi-Fi access for guests sharing your home or office network
- Supports by PPPoE, Dynamic IP,static IP and WISP access to the Internet
- Built-in DHCP server with automatic dynamic IP address distribution
- Provides 10/100/1000Mbps Auto-Negotiation Ethernet WAN/LAN ports
- External antennas provide omnidirectional stable signal and superior wireless coverage
- Easy one-touch wireless security encryption with the WPS button
- Clear the cache to speed up with the TURBO button
- Touch link function : Touch the wavlink logo, user can connect the guest Wi-Fi with no enter the password in two minutes, and then free access to the Internet



WL Quantum S4 - TouchLink Smart Wi-Fi Router

WL Quantum S4

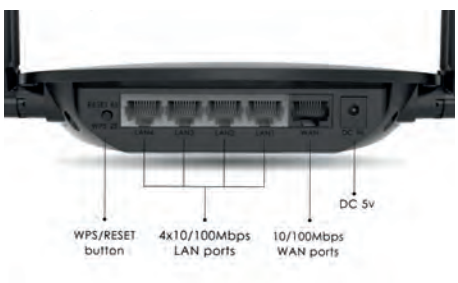
SPECIFICHE	WL QUANTUM S4
Ports	1 x10/100Mbps WAN PORT, 4x10/100Mbps LAN PORTS
Button	1 x WPS&Reset, 1 x Touch cover
LED	4x LAN, 1 x WAN, 1 x WiFi
Solution	MT7628NN
Flash	32Mb
DDR1 RAM	256Mb
Power Supply	DC 5V 1A
Rated Voltage/ requency	input: 100-240 Va.c. 50/60Hz
Unit Dimensions	170mm x 170mm x 25mm (L x W x H)
Operating Temperature	0°C~40°C
Relative Humidity	10%~90%, noncondensing
Standard	IEEE 802.11b/g/n
Frequency band	2.4GHz
Transmit Power	20DBm MAX
Sensitivity	802.11b: -93dBm /802.11g: -73dBm / 802.11n: -68dBm
Speed	11n: Up to 300Mbps 11g: Up to 54Mbps , 11b: Up to 11Mbps
Wireless Security	WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
Antennas	5dBi Omni Directional Antennas
Distance	Outdoors 300m, Indoor 100m (According to the actual environment change)
WAN Type	PPoE, Dynamic IP, Static IP, WISP
DHCP Settings	Server, Client
Other settings	Time Setting / DDNS / Static Router / DHCP Server / Wireless Setting

N300 TouchLink Smart Wi-Fi Router

The Smart Wi-Fi Router complies with IEEE 802.11b/g/h standards. With combined wireless speeds of up to 2.4GHz 300Mbps.

Main features:

- Complies with IEEE 802.11 b/g/n standards
- Wireless Speeds up to 300Mbps.
- Guest Wi-Fi provides secure Wi-Fi access for guests sharing your home or office network
- Supports by PPPoE, Dynamic IP,static IP and WISP access to the Internet
- Built-in DHCP server with automatic dynamic IP address distribution
- Provides 10/100Mbps Auto-Negotiation Ethernet WAN/LAN ports
- External antennas provide omnidirectional stable signal and superior wireless coverage
- Easy one-touch wireless security encryption with the WPS button
- Touch link function : Touch the wavlink logo, user can connect the guest Wi-Fi with no enter the password in two minutes, and then free access to the Internet



WL WN577A2 - Concurrent AC750 Wi-Fi AP/Router

WL WN577A2

SPECIFICHE	WL WN577A2
Ports	1 x LAN, 1 x WAN/LAN
Button	1 x Reset, 1 x WPS, mode switch x 1, (577:power switch x 1)
LED	1 x LAN, 1 x WAN/LAN,1 xPower 1 x WiFi/WPS
Chipset	MT7628AN+MT7610E
Flash	64Mb
SDRAM	512Mb
Power Supply	DC5V / 1A
Rated Voltage/ requency	Input: 100-240 Va.c. 50/60Hz
Unit Dimensions	90mm x 60mm x 50mm (L x W x H)
Operating Temperature	0°C~40°C
Relative Humidity	10%~90%, noncondensing
Standard	IEEE 802.11b/g/n/a/ac
Frequency band	2.4GHz, 5GHz
Transmit Power	20DBm MAX
Sensitivity	802.11b: -93dBm /802.11g: -73dBm / 802.11n: -68dBm
Speed	802.11ac: up to 433Mbps, 802.11n: up to 300Mbps 802.11a: up to 54Mbps, 802.11g: 54Mbps 802.11b: 11Mbps
Wireless Security	WPA-PSK/ WPA2-PSK encryption
Antennas	3x3dBi Omni Directional Antennas
Distance	Outdoors 300m, Indoor 100m (According to the actual environment change)
WAN Type	PPPoE, Dynamic IP, Static IP, Repeater
DHCP Settings	Server, Client
Power Consumption	4W

Concurrent AC750 WiFi AP/Router
Eliminate Wi-Fi Dead Zones
Double The Coverage Of Your Wi-Fi With Ease
Maximum Speed up to 5GHz 433Mbps and 2.4GHz 300Mbps

Main features:
- The next generation of Wi-Fi, leading 802.11ac standard
- Complies with IEEE 802.11 ac/a/b/g/n, standards
- Improves wireless coverage in all WLAN networks
- Simultaneous 5GHz 433Mbps and 2.4GHz 300Mbps connections for 733Mbps of total bandwidth
- Dual Band connections for lag-free HD video streaming and gaming
- Support WPA-PSK/ WPA2-PSK encryption
- Provides 1 10/100Mbps Auto-Negotiation Ethernet LAN ports
- Provides 1 10/100Mbps Auto-Negotiation Ethernet WAN ports
- Easy wireless security encryption at a push of the WPS button
- Features a convenient mode switch, enabling you switch to Router, AP/Repeaer mode
- Software wizard for simple setup
- Compact, wall plug design for convenient placement
- 3 x 3dBi integrated Antennas

WL NWP101G2 - PowerLine AV 1200 Network Kit

WL NWP101G2

SPECIFICHE	WL NWP101G2
Interface	1 xRJ45 10M/1000M Ethernet port
Button	Pair/Reset
LED	1 xPWR, 1 xLINK,1x LAN
Chipset	QCA7500+AR8035
Flash	16Mb
Power Plug	UK/EU/US/China/Australia (option)
Power Consumption	<5W
Rated Voltage/ requency/ current	100V ~ 240V 50/60Hz 0.1 A
Unit Dimensions	75mm x 59,4mm x 79,6mm
Operating Temperature	0°C~40°C (32°F~104°F)
Relative Humidity	10%~90%, noncondensing
Standard	HomePlug AV, IEEE802.3i, IEEE802.3u,IEEE802.3ab
Frequency band	2-68MHz
Modulation Technology	OFDM
Encryption	128-bit AES encryption
Speed	1200 Mbps
Wireless Security	WPA-PSK / WPA2-PSK encryptions provide user networks with active defense against security threats.
Antennas	2 + 2
Distance	300M in house

PowerLine AV 1200 Network Kit

• Ideal for HD video streaming, large file transfers, and multiplayer gaming
• Turn a power outlet in your home into a potential Internet connection
• Plug and play installation for easy setup

Main features:

• Create a PowerLine Network right out of the box
• Uses your home's existing electrical wiring by plugging into existing power outlets[2]
• HomePlug AV standard compliant, ideal for HD video or 3D video streaming and online gaming
• High-speed data transfer rate of up to 1200Mbps,
• Mains Filter for better power line communication performance
• Up to 300 meter range over a home's electrical circuit for better performance through walls or across floors
• Power Saving Mode
• Push and Secure encryption button
• Supports 128-bit AES encryption for network security
• Plug & Play Installation
• Built-in QoS assures the quality of bandwidth sensitive applications such as voice, video and online games
• Compact elegant design

*Actual data will vary because of the network conditions and environment factors

NOVATEC
EUROPE

LOOX

LOOX CATALOGO
MATRIX/EXTENDER HD
2021 - Q2

Matrix Extender HD

2021 - Q2

INDICE

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4K/2K HDMI Matrix, Controllo IR

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HDMI Soluzioni Wireless

GUIDA ALLE RISOLUZIONI

- **QVGA:** 320 X 240 PIXEL
- **HVGA:** 480 X 320 PIXEL
- **WVGA:** 800 X 480 PIXEL
- **FWVGA:** 854 X 480 PIXEL
- **QHD:** 960 X 540 PIXEL (1/4 DEL FULL HD)
- **WSVGA:** 1024 X 600 PIXEL
- **XGA:** 1024 X 768 PIXEL
- **HD / WXGA:** 1280 X 720 PIXEL (IL PRIMO STEP DELL'HD, IDENTIFICATA COME HD READY)
- **WXGA:** 1280 X 800 PIXEL (16:10, PER TABLET)
- **FHD:** 1920 X 1080 PIXEL (L'ALTA DEFINIZIONE, CONOSCIUTA ANCHE COME FULLHD)
- **WUXGA:** 1920 X 1200 PIXEL (VARIANTE IN 16:10 DEL FHD, USATA SUI TABLET)
- **QHD:** 2560 X 1440 PIXEL (DOPPIO DEL FULL HD)
- **WQXGA:** 2560 X 1600 PIXEL (RISOLUZIONE IN 16:10, PER TABLET)
- **UHD:** 3840 X 2160 PIXEL (ULTRA HD CIOÈ 4K)
- **WQUXGA:** 3840 X 2400 PIXEL (4K IN 16:10 PER TABLET)
- **4K CINEMA:** 4096 X 2560 PIXEL (4K PER PROIETTORI)
- **UHD+:** 5120×2880 PIXEL (IL FAMOSO 5K DEL NUOVO APPLE IMAC)
- **FUHD:** 7680 X 4320 PIXEL (IL FUTURO 8K)
- **QUHD:** 15360 X 8640 PIXEL (LA RISOLUZIONE PIÙ ALTA FINORA TESTATA, IDENTIFICATA COME 16K)

LOHD154KHDR

4K HDR POC IR HDCP

SPECIFICA	LOHD154KHDR
Operating Humidity Range	5 to 90 % RH (no condensation)
Operating Temperature Range	-10 to +55°C (14 to +131 °F)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Formati video supportati	DTV/HDTV: 4K/1080P/1080i/720P(50HZ)/576P/480P/576i/480i
Output Video	HDMI 2.0+HDCP1.4/2.2
Output Audio	Support DTS-HD, Dolby-HD
Maximum Transmission Distance	70 meters for 1080P, 40 meters for 4K
Power Supply	24V1A
Poc	Power from TX to RX over Cat.5e/6 cable
Power Consumption	438x220x44 mm
Dimensions	139.4mmH x 66.8mmW x 20mmD
Mass (Main unit)	0.7kg (Pairs)

SAT
DTT
TVCC

4K UHD

COMPATIBILE!

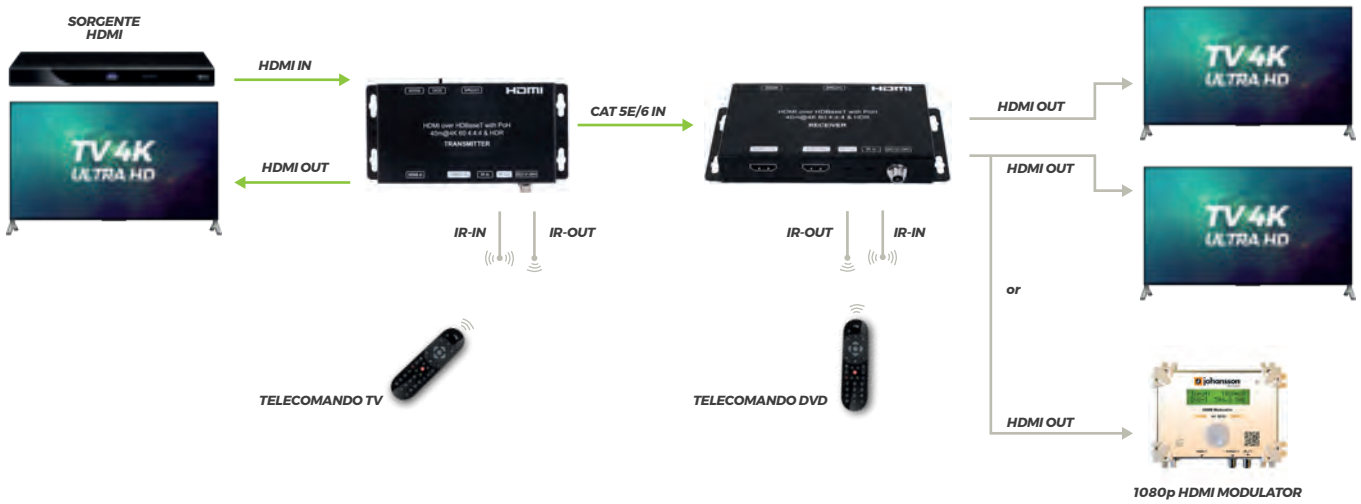
HDR HDMI IN-OUT HDMI 2 OUT IR

LOHD154KHDR

- Bandwidth up to 18Gbps, resolution up to 4k@60hz YUV 4:4:4
- Transmit up to 70m under 1080p, 40m under 4k
- Support HDR10, 3D
- With 1x looping HDMI out at Transmitter and 2 x HDMI out at Receiver
- Bi-directional wide band IR and RS232 Pass through
- Dual POC (Receiver powered by transmitter or transmitter powered by Receiver)
- HDCP2.2/ HDCP1.4 Compliant
- Downscale automatic to 1080p

LOHD154KHDR

SCHEMA COLLEGAMENTO



LOHD115-4K

HDBT | 4K | 3D | IR | HDCP

SPECIFICA	LOHD115-4K
Operating Temperature Range	-5 to +40°C(+23 to +104°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Connectors on Transmitter	HDMI Receptacle x 2 (1xHDMI input, 1xHDMI loop output) Power DC Receptacle x 1 IR Receptacle x 1(for IR TX)
Connectors on Receiver	HDMI Receptacle x 1 IR Receptacle x 1(for RX cable)
Resolution outputs	4k@60hzYUV4:4:4/ 4k@30HZ/1080p/1080i/720p/576p/480p
Audio format supported	DTS-HD Master Audio, Dolby True HD, LPCM7.1, PCM etc.
Output Video Signal	HDMI
Dimension (L×W×H)	TX: L75.8mm×W72.2mm × H18mm; RX: L75.8mm × W72.2mm × H18mm
Power supply	DC 12V1A Power supply
Power consumption	3.8W(MAX)
Transmission Distance	up to 70m under 4K@60Hz YUV4:4:4, 90m under 4K@30Hz/1080P
Net Weight	TX: 305g; RX:305g

SAT
DTT
TVCC

4K UHD

HDMI IN-OUT

IR

LOHD115-4K

- HDMI2.0 Extender, Bandwidth 18Gbps, HDR10, Dual POC,HDCP2.2/1.4 Compliant
- Transmit up to 70m under 4K@60Hz YUV4:4:4, 90m under 4K@30Hz/1080P over single Cat. 5e/6 cable
- 1x HDMI loop out on transmitter
- Support EDID management
- Support wide band IR Pass through
- HDMI audio sampling rate up to 192KHz, max LPCM 7.1 channel
- Support S/PDIF and PCM2.0 analog audio extraction
- Support Dolby True HD, PCM and DTS-HD master audio
- Support Micro USB port to upgrade new firmware

LOHD115-4K

ESTENSIONE 4K (70m) + IR TELECOMANDO

LOHD75U

4K | POC | USB | IR | HDCP

SAT
DTT
TVCC

4K UHD

LOHD75U

- Supporta risoluzione video fino a 4K*2K @30Hz, e segnale 3D
- Compatibile con HDMI 1.4 e HDCP 1.2
- Tecnologia HDBaseT
- Trasmette il segnale HDMI video (1080p) fino a 70 metri su singolo cavo Cat. 6
- Trasmette il segnale HDMI video (4K*2K) fino a 30 metri su singolo cavo Cat. 6
- Supporta segnale RS232, IR bidirezionale, EDID pass-through
- Supporta tastiera e mouse
- Supporta l'alimentazione POC
- Si interfaccia automaticamente con la sorgente e i display
- Sistema aggiustamento automatico che rende le immagini stabili e più nitide
- Sistema di protezione ESD
- Semplice installazione: plug and play

SPECIFICA	LOHD75U
Video	
Standards	HDMI 1.4, HDCP 1.2
Pixel clock (max)	165MHz
Data rate (max)	10.2Gbps
Risoluzione	4K*2K (max)
Connettore	HDMI A
Impedenza	100Ω
IR	
Interfaccia	3.5mm jack
Segnale	Bidirezionale, digitale
Frequenza IR	20-56kHz
RS232	
Segnale	Bidirezionale
Baud rate	Auto adattivo, 115200bps (max)
Data bits	8
KVM	
Interfaccia	PC: mini USB Tastiera/mouse: USB A
Ethernet	
Interfaccia	RJ45
Distanza trasmissione	1080p: Cat. 6 fino a 70m 4K*2K: Cat. 6 fino a 30m
Generico	
Alimentazione	DC 12V/2A
Dissipazione	6W (max)
Temperatura operativa	-5°C ~ +70°C
Dimensioni	122x93x23mm

HDMI IN-OUT | USB | M&K | IR

LOHD75U

SCHEMA COLLEGAMENTO

LOHD73HQ / LOHD73XS

1080p POC IR HDCP

SPECIFICA	LOHD73HQ
Video	
Standards	HDMI 1.3
Pixel clock (max)	165MHz
Data rate (max)	6.75Gbps
Risoluzione	1920x1080 @60Hz
Connettore	HDMI A
Impedenza	100Ω
IR	
Interfaccia	3.5mm jack
Segnale	Bidirezionale HQ / Monodirezionale XS
Frequenza IR	20~60kHz
Cavo UTP	
Interfaccia	RJ45, standard IEEE-568B
Distanza trasmissione	UTP Cat. 6/7e: 60 metri UTP Cat. 5e: 40 metri
Generico	
Alimentazione	DC 5-15V/1A
Dissipazione	3W (max)
Temperatura operativa	-5°C ~ +70°C
Dimensioni	82x65x17mm HQ 82x46x23mm XS

LOHD73HQ

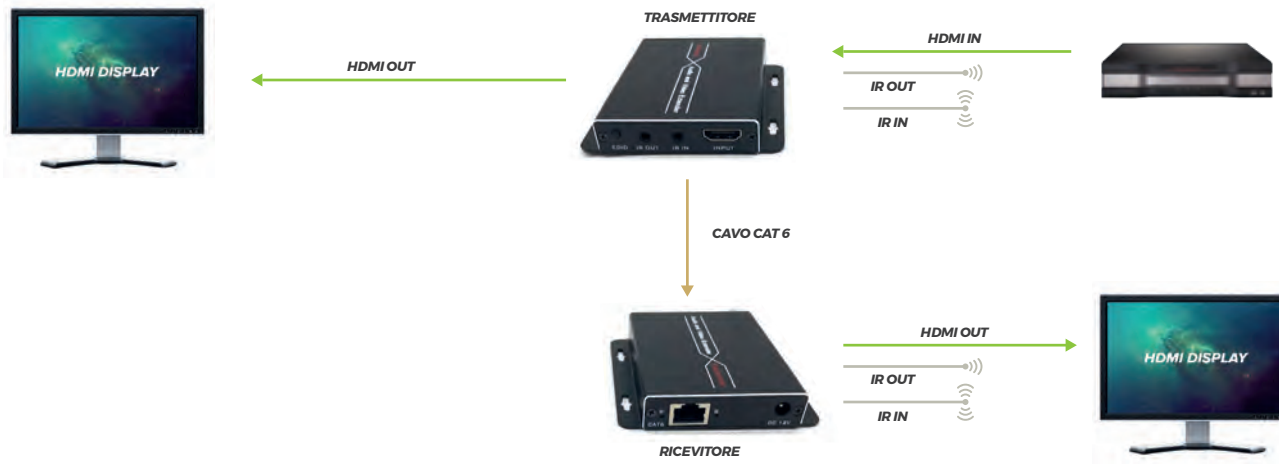
LOHD73HQ / LOHD73XS

- Trasmette i segnali HDMI video e audio su singolo cavo UTP Cat. 5e/6/7e fino a 60 metri
- Supporta risoluzione video fino a 1920*1080@60Hz
- Supporta funzione copia EDID
- Supporta IR bidirezionale 20~60kHz (LOHD73XS IR monodirezionale)
- Alimentazione POE con alimentatore 12V/1A collegato al solo trasmettitore
- Il trasmettitore supporta un'uscita locale HDMI
- Compatibile con gli standard HDMI 1.3 e HDCP 1.2
- Standard IEEE-568B
- Si interfaccia automaticamente con la sorgente e i display
- Sistema di protezione ESD
- Semplice installazione: plug and play

LOHD73XS

LOHD73HQ

ESTENSIONE 1080p (70m) + IR TELEC. + HDMI IN/OUT



LOHD53UHQ / LOHD53UXS

USB 1080p

LOHD53UHQ

TVCC

SPECIFICA	LOHD53UHQ / LOHD53UXS
Video	
Standard	HDMI 1.3, HDCP 1.2
Pixel clock	165MHz
Data rate (max)	6.75Gbps
Risoluzione	1920x1080 @60Hz
Connettore	HDMI A
Impedenza	100Ω
USB	
Interfaccia	PC: USB-A Tastiera/mouse: USB-A
Segnale	HID
UTP	
Interfaccia	RJ45
Distanza trasmissione	Cat. 6. : 60 metri (max) / Cat. 6: 30-50metri (max)
Generico	
Alimentatore	DC 12V/1A
Dissipazione	4W (max)
Temperatura operativa	-5°C ~ +70°C
Dimensioni	82x85x17mm / 84,5x63x26mm

LOHD53UHQ
- Coppia estensori HDMI 1.3 + USB & HDCP 1.2 su cavo UTP singolo, portata 60m
- Supporta HDMI 1.3/HDCP1.1&1.2
- Supporta 480, 576, 720 50/60hz, 1080I 50/60hz, 1080P 25/30/50/60hz, 2k
- Trasmettitore 1 porta USB, ricevitore 2porte USB
- Supporta mouse e tastiera
- Cavo HDMI (1m) a corredo

LOHD53UXS
- Selettore portata 30 o 50metri

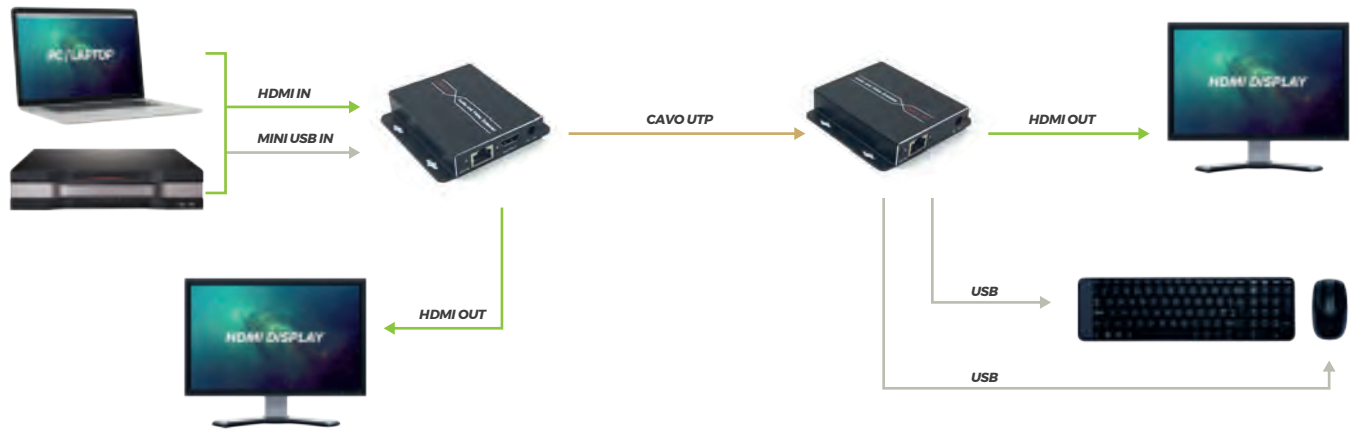
HDMI IN-OUT

USB

M&K

LOHD53UHQ

SCHEMA COLLEGAMENTO



LOHD45VU

1080p VGA USB

TVCC

LOHD45VU

- Estende l'alimentazione del computer (100m), della tastiera (200m) e del mouse (300m)
- Si può cambiare il segnale dal monitor remoto a quello locale oppure da 3 monitor locali ad un monitor remoto
- Usa un singolo cavo Cat. 5/5e/6
- Supporta mouse e tastiera.
- Ingresso/uscita monitor (trasmettitore)
- Uscita monitor VGA (ricevitore)
- Porta USB
- Compatibile con Windows, Linux, Unix, DOS

SPECIFICA	LOHD45VU
Ingresso	1 VGA, 1 USB
Uscita	1 VGA, 2 USB
Banda	350MHz (100 metri)
Livello ingresso	0.5 – 2.0Vp-p
Impedenza ingresso	75Ω
Echo Ullage	-30dB @5MHz
Compensazione alimentazione	±5mV-0
SNR	60dB
Standard connettori	HDB15, USB, Mini-DIN6, RJ45
Standard video	VGA, SVGA, XGA, SXGA, UXGA, LCD
Standard cavo	Cat. 5/5e/6
Risoluzione	2560x1600 @60Hz (max)
Alimentatore	DC12V 1A
Temperatura operativa	-25°C ~ +70°C
Dimensioni	95x97x28mm

VGA IN-OUT | USB | M&K

LOHD41V

1080p VGA

TVCC

LOHD41V

- Estende l'alimentazione del computer (100m), della tastiera (200m) e del mouse (300m)
- Si può cambiare il segnale dal monitor remoto a quello locale oppure da 3 monitor locali ad un monitor remoto
- Usa un singolo cavo Cat. 5/5E/6
- Supporta mouse e tastiera
- Ingresso/uscita monitor (trasmettitore)
- Uscita monitor VGA (ricevitore)
- Compatibile con Windows, Linux, Unix, DOS

SPECIFICA	LOHD41V
Ingresso	1 VGA
Uscita	1 VGA
Banda	350MHz (100 metri)
Livello ingresso	0.5 – 2.0Vp-p
Impedenza ingresso	75Ω
Echo Ullage	-30dB @5MHz
Compensazione alimentazione	±5mV-0
SNR	60dB
Standard connettori	HDB15, Mini-DIN6, RJ45
Standard video	VGA, SVGA, XGA, SXGA, UXGA, LCD
Standard cavo	Cat. 5/5E/6
Risoluzione	2560x1600 @60Hz (max)
Alimentatore	DC12V 1A
Temperatura operativa	-25°C ~ +70°C
Dimensioni	95x97x28mm

VGA IN-OUT

LOHD395HQ

4K | UHD | S/PDIF | ARC | IR | RJ45 | CASCADE | HDCP 2.2

SAT
DTT
TVCC

4K UHD

SPECIFICHE	LOHD395HQ
Power Supply	
Voltage / Current	DC5V / 2A
Power Consumption	TX < 4W RX < 4W
HDMI Performance And Interface	
HDMI compliance	HDMI 2.0
HDCP compliance	HDCP 2.2
HDMI resolution	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz, 3840x2160@24/25/30/50/60Hz, 4096x2160@24/25Hz, 1280x960, 1280x800, 1280x768, 1680x1050, 1360x768, 1366x768, 1600x900, 1024x768, 800x600
HDMI Performance And Interface	
Supports audio formats	LPCM/DTS - HD/DTS - Audio/Dolby TrueHD 7.1CH/ Dolby Digital 5.1CH
Input and output TMDS signal	0.7 ~ 1.2Vp - p (TMDS)
Input and output DDC signal	5Vp - p (TTL)
Input cable length	≤8m (AWG24)
Output cable length	≤8m (AWG24)
Transmission Distance	
CAT6/6A/7	≤70m
Protection Level	
Electrostatic protection of whole machine	1a Contact discharge level 3 1b Air discharge level Implementation of the standard:IEC61000-4-2
Operating Environment	
Working temperature	- 20 ~ 60°C
Storage temperature	- 30 ~ 70°C
Humidity (no condensation)	0 ~ 90% RH
Body Properties	
Dimension	106.0 (L) x 99.0 (W) x 26.2 (H) mm
Material	Aluminium alloy material + crystal panel
Treatment process	Grit blast
Color	Black
Weight	TX: 210g RX: 210g

LOHD395HQ

- 4K UHD HDMI su IP
- USB 2.0 su IP
- Estensione bidirezionale RS232 e controllo RS232
- Switch da 4 bits per la selezione di 16 canali stream
- Supporta Dolby True HD, DTS-HD audio master
- Supporta estensione IR banda larga a due vie (38-56 KHz)
- Trasmette fino a 120 metri su singolo cavo Cat. 5e/6
- Trasmette su cavo fibra ottica fino a 60 Km (single mode)
- Estensione point-to-point, Unicas, Multicas e Video Wall (8x16 max)
- Compatibile HDCP 1.4
- Ingrandimento parziale video in uscita
- Rotazione video in uscita

LOHD395HQRX

- Ricevitore supplementare con accessori

IN/OUT

ARC S/PDIF

CASCADE CONNECTION

HDMI IN-OUT

ZERO LATENCY

IR

LOHD367HQ (KIT)

H.264 | 1080p | IP | IR | HDCP

LOHD367HQTX, LOHD367HQRX (KIT)

- Fino a 120 metri su cavo Cat. 5e/6
- Risoluzione video fino a 1920*1080p @60Hz
- Supporta “1 to many” (253 devices) con switch ethernet
- Supporta segnale IR su TCP/IP
- H.264, ESD, plug and play
- Compatibile con standard HDMI 1.3 e HDCP 1.2
- 100M or 1000M Ethernet switch
- Ethernet TCP/IP, TCP/IP DID, video/audio in tempo reale, IP
- Si interfaccia automaticamente con la sorgente e il display

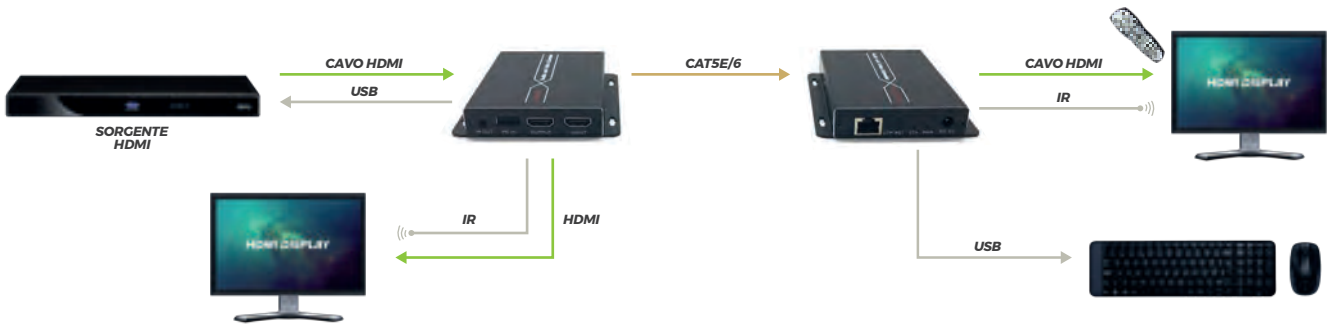
LOHD367HQ

- *Si possono utilizzare le porte USB su 1 ricevitore per volta*
- Ricevitore supplementare, in confezione da 2 pezzi

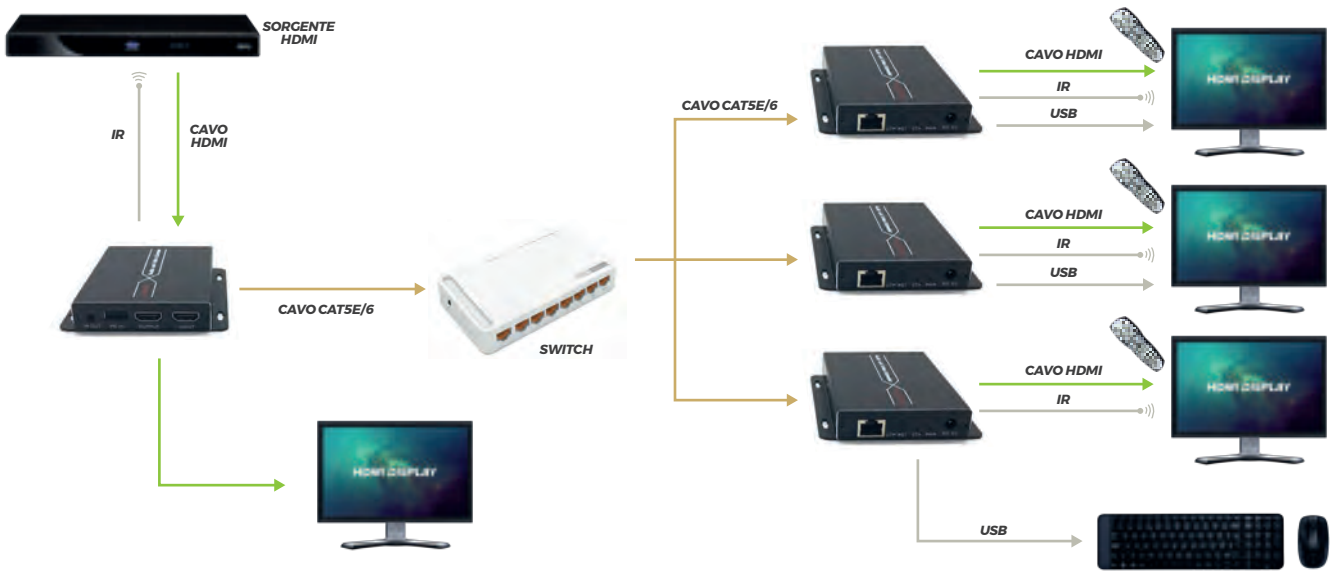
SPECIFICA	LOHD367HQ
Video	
Standards	HDMI 1.3, HDCP 1.2
Pixel clock (max)	165MHz
Data rate (max)	6.75Gbps
Risoluzione	1920x1080 @60Hz
Connessione	HDMI A
Impedenza	100Ω
IR	
Interfaccia	3.5mm jack
Segnale	Digitale
Frequenza	38kHz
Ethernet	
Interfaccia	RJ45
Distanza trasmissione	Cat. 5e/6: 120 metri
Generico	
Alimentatore	DC12V/1A
Dissipazione	8W (max)
Temperatura operativa	-5°C ~ +70°C
Dimensioni	110x100x18mm

LOHD367HQ

CONFIGURAZIONE: ONE TO ONE



CONFIGURAZIONE: ONE TO ONE



LOHD35HQ (KIT), LOHD35HQRX

1080p IP IR HDCP

LOHD35HQ

• Aluminum shell, compact size and slim design, more beautiful than iron shell, strong anti-interference. Wall-mounted type is more convenient.
• Distance up to 120m over UTP Cat. 5e/6 cable.
• Video resolution max up to 1920*1080@60Hz.
• Support 1 to many receivers transmit (253pcs RX over Ethernet switch).
• Support IR (38khz) signal pass back control .
• HDMI 1.3 and HDCP 1.2 standard.
• High compatibility, can auto-match source and display device.
• Built-in automatic adjustment system, make the image smooth, clear and stable.
• Built-in ESD protection system. Simple to install, plug and play.
• TCP/IP Ethernet communication.
• Real-Time Video/Audio Transmission over IP.
• Pure Ethernet, Simple Cabling.
• Application Fields : 1 : N Solution (Shop, restaurant, kiosk, classrooms, Monitor, Speaker, Energy Saving, virtual desktop, Digital Camera, TCP/IP Network).
• Ordinary 100M or 1000M Ethernet switch.

LOHD35HQRX

• Ricevitore supplementare con accessori

SPECIFICA	LOHD35HQ
Video	
Standards	HDMI 1.3, HDCP 1.2
Pixel clock (max)	165MHz
Data rate (max)	6.75Gbps
Resolution	1920x1080 @60Hz
Connector	HDMI A
Impedance	100Ω
IR	
Interface	3.5mm earphone seat
Signal direction	Unidirectional
IR Frequency	38kHz
Ethernet	
Interface	RJ45 (568B)
Transmission Distance	UTP Cat. 5e/6: 120 metri
Other	
Power Supply	The power adapter: DC 5V
Power dissipation	4W (max)
Operating Temperature	-5°C ~ +70°C
Operating Humidity	5% ~ 90%
Dimension	100 x 97,5 x 17 mm

HDMI IN-OUT IR TCP/IP

LOHD22TX, LOHD22RX

1080p IP IR HDCP

TVCC

LOHD22TX, LOHD22RX

• Estende il segnale 1080p/HDMI fino a 120 metri su un singolo cavo UTP Cat. 5e/6
• Configurazioni network: Point-to-Point, Point-to-Many, Many-to-Many
• Compatibile HDCP
• Supporta TCP/IP
• Può essere installato a cascata
• Staffe di montaggio incluse

SPECIFICA	LOHD22TX	LOHD22RX
Ingresso segnale video	0.5-1.0 volts P-P	
Ingresso segnale DDC	5 volts p-p(TTL)	
Uscita video	HDMI	
Formati video supportati	DTV, HDTV:480i, 576i, 480P, 576P, 720P, 1080i, 1080P	
Distanza trasmissione	1080P 8-bit 120m (max) su singolo cavo Cat. 5e/6 /24AWG/Solid	
Frequenza IR	38-56Hz	
Consumo	3W	
Dimensioni	103.5x93.5x24.6mm	
Peso (netto)	220g	220g
Indirizzo IP default	192.168.168.55	192.168.168.56
Indirizzo MAC	00:0b:78:00:60:01	00:0b:78:00:60:02

HDMI IR TCP/IP

LOHDS854KHDR / LOHDS454KHDR

4K HDR POC IR

LOHDS854KHDR / LOHDS454KHDR

- Incorporates HD Base-T technology
- Distributes 1 HDMI source to 8 HDMI Displays simultaneously with 1 x looping HDMI output (LOHDS454KHDR 4HDMI Out)
- Input HDMI resolution max up to 4K@60hz YUV 4:4:4
- HDBaseT output up to 4K@60hz YUV 4:2:0
- HDMI output up to 4K@60hz YUV 4:4:4
- Extends HDMI and IR up to 328 feet (100 meters) using one CAT5e (or better) cable
- Supports high bit-rate audio formats (Dolby True-HD / DTS Master Audio)
- Support RS232, EDID
- Compliant HDCP 1.4 and 2.2
- Support Cascade to 8 layers

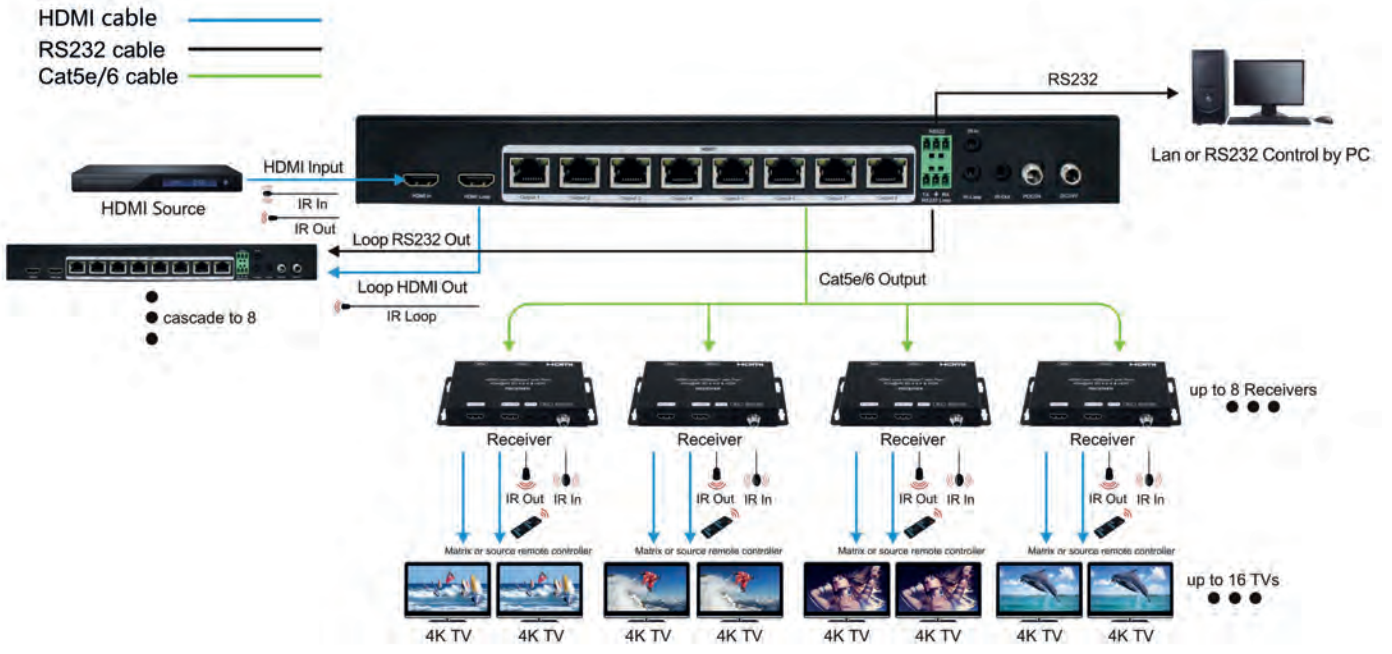
SPECIFICA	LOHDS854KHDR
Operating Temperature Range	- 5°C ~ 40°C (14°F ~ 140°F)
Operating Humidity Range	5 ~ 90% RH (No Condensation)
Input Video format	720P. 1080P, 4K@60hz
Data transfer speed rate	18 Gbps (Maximum)
Input port	1 x HDMI
Output ports	8/4 x HDBaseT port, 1 x HDMI loop out
Output Video Format Supported	DTV/HDTV:480i/576i/480P/576P/720P/1080i/1080P, 4K VESA resolution:1920x1200
Transmission Distance	100m under 1080P, 70m under 4K
Power consumption	36 W (Max)
Power Consumption	<15W
Dimension	311 x 172 x 39.5 mm
Net Weight	1700g

HDMI IN-OUT IR 4K HDR

LOHDS54KRX

4K HDR POC IR

SPECIFICA	LOHDS54KHDR
Video Format Supported	DTV/HDTV; 4K/1080P/1080i/720P(50HZ)/576P/480P/576i/480i
Output Video	HDMI 2.0 + HDCP1.4/2.2
Output Audio	Support DTS-HD, Dolby-HD
Max Transmission Distance	100 meters for 1080P, 70 meters for 4K
Power Supply	24V1A
Poc	Power from TX to RX over Cat. 5e/6 cable
Power Consumption	12 Watts
Dimensions	139.4 x 66.8 x 20 mm



LOHDS450IR

1080p 3D RJ45 IR

SAT
DTT

COMPATIBILE!

SPECIFICA	LOHDS450IR
Ingressi	1x HDMI
Uscite	4x Cat. 5e/6, 1x HDMI
Ingresso segnale video	0.5-1.0 Volts P-P
Ingresso segnale DDC	5 volts p-p(TTL)
Banda amplificatore video	140MHz
Velocità trasferimento dati	6.75Gbps (max)
Frequenza verticale	60Hz
Distanza trasmissione	1080P 8-bit 50 metri su singolo CAT. 5e oppure Cat. 6 24AWG/Solid
Formati video supportati	DTV / HDTV:720P / 1080i / 1080P VESA resolution: 1920x1200 / 3D video support
Formati Audio supportati	DTS-HD Master Audio, Dolby True HD, multi canale 5.1, ecc
Consumo	12W (max)
Temperatura operativa	-5°C ~ +35°C
Dimensioni	203x134x29.2 mm
Peso	0,8 kg

HDMI IN-OUT

IR

LOHDS450IR

- Distribuisce 1 segnale HDMI a 4 uscite UTP simultaneamente, con 1 uscita HDMI in loop
- Trasmette fino a 50 metri su singolo cavo Cat. 5e/6
- Può essere messo in cascata (fino a 4 livelli)
- Controllo IR bidirezionale a banda larga (da 38 a 56 kHz)
- Supporta Full HD 1080p e risoluzione VESA 1920x1200
- Supporta Dolby TrueHD, DTS-HD Master Audio
- Supporta 3D

LOHDS50RX

1080p 3D 24bit IR EDID

SAT
DTT

COMPATIBILE!

SPECIFICA	LOHDS50RX
Ingressi / Uscite	1x HDMI / 1x RJ45 / 1x Alimentazione 2x IR (per IR Tx e cavo Rx)
Velocità trasferimento dati	6.75Gbps
Distanza trasmissione	1080p fino a 50m
IR	lunghezza d'onda: 940nm / frequenza: 38-56KHz
Formati video	1080p / 1080i / 720p / 576p / 480p
Formati audio	DTS-HD Master Audio, Dolby True HD, multi canale 5.1, ecc
Alimentazione	DC 5V
Consumo	4W (max)
Temperatura operativa	-5°C ~ +35°C
Dimensioni	65x24,1x85 mm
Peso	319g

HDMI

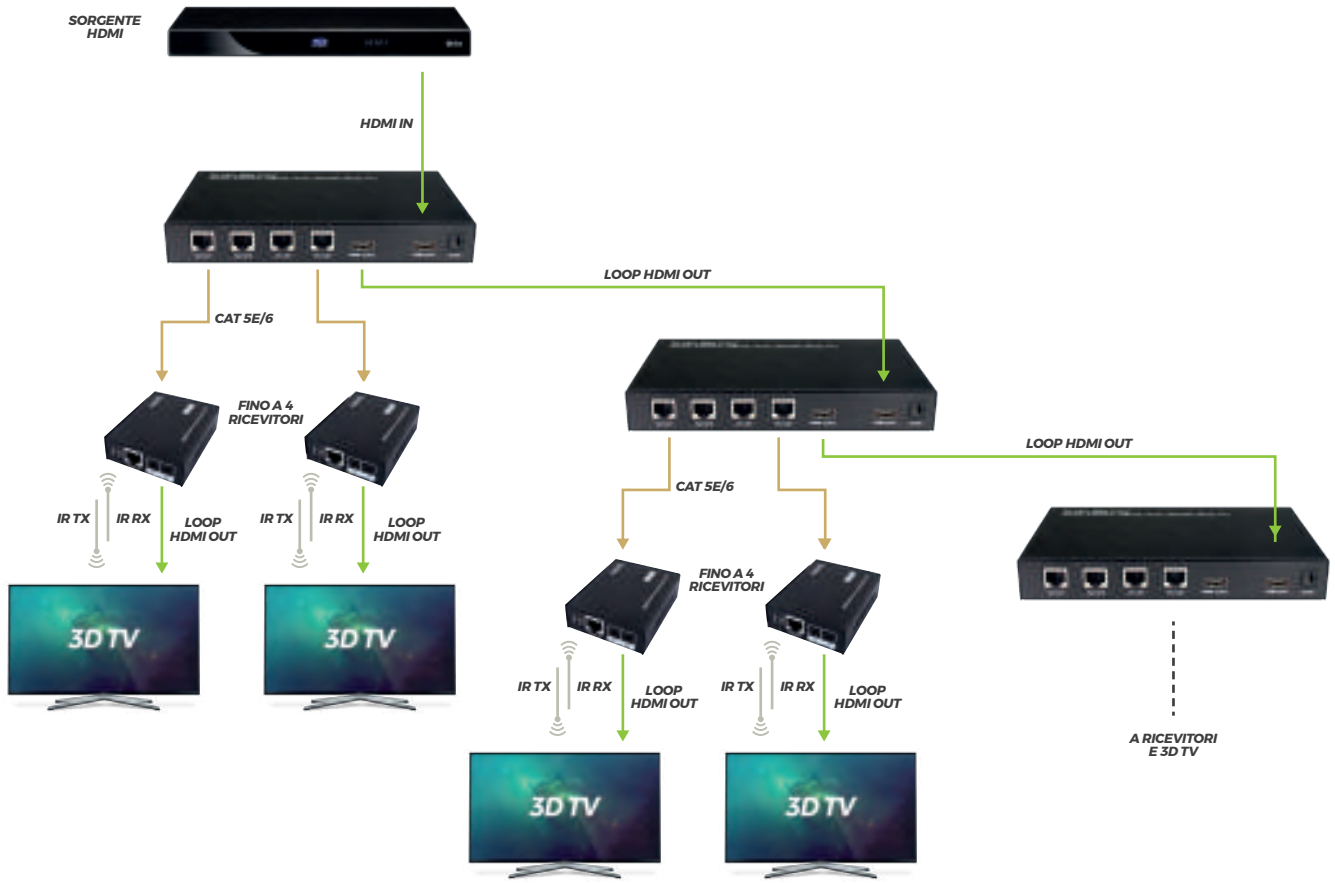
IR

LOHDS50RX

- Trasmette segnali HDMI audio/video e IR fino a 50 metri su singolo cavo Cat. 5e/6
- Trasmette un segnale IR banda larga insieme al segnale HDMI
- Supporta profondità di colore 24bit
- Switch EDID DIP sul trasmettitore per una migliore gestione
- Supporta PCM ,Dolby Digital™, e DTS Digital Surround™
- Segue lo standard IEEE-568B per i cavi
- Supporta il formato video 3D

LOHDS450IR, LOHDS50RX

COLLEGAMENTO IN CASCATA (MAX 3 UNITÀ)



LOHDAUEX

SPECIFICA	LOHDAUEX
Operating Temperature Range	-5°C ~ +35°C (+23°F ~ +95°F)
Operating Humidity Range	5% ~ 90% RH (no condensation)
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p (TTL)
Support Video format	4Kx2K/1080P/1080i/720P/576P/576i/480P/480i 3D video
Support Video Color Format	xv-YCC/deep color 36bit
Support Audio Format	PCM, DTS-HD Master Audio,Dolby true-HD, etc.
Data transfer speed rate	18Gbps (Maximum)
Power consumption	2 watts (Maximum)
Dimension	104.4 x 64 x 28.3 mm
Net weight	175g

LOHDAUEX

- Three Audio EDID Settings: Auto/2.0 CH/5.1CH
- Extract the digital HDMI audio signal from the HDMI input to 2 channel analog stereo output or 5.1 channel Audio output
- Support PCM and Dolby DTS
- Supports resolution up to 4K@60Hz YUV4:4:4
- Supports deep color up to 36bit
- HDCP2.2/1.4 Compliant
- Support CEC
- Support firmware updating through USB port

LOHDS2V4KHDR

SPECIFICA	LOHDS2V4KHDR
Operating Temperature Range	-5°C ~ +40°C (+23°F ~ +104°F)
Operating Humidity Range	5% ~ 90% (no condensation)
Bandwith frequency	18Gbps
HDCP	HDCP 2.2
Input ports	1 x HDMI (female)
Output ports	2 x HDMI outputs (female)
Resolution outputs	up to 4Kx2K (3840x2160@60Hz YUV 4:4:4)
Dimensions (LxWxH)	93.6 x 61 x 15 mm
Power consumption	1W (MAX)
Transmission Distance	10m (max) over standard HDMI cable / 24AWG
Net weight	120g

4K HDR EDID HDCP

HDR HDMI 4K HDR

LOHDS2V4KHDR
- Simultaneously displays an Ultra Hi-Def source on up to two Ultra HD displays.
- Supports resolutions up to Ultra HD 4Kx2K(3840x2160@60Hz YUV 4:4:4).
- Supports three kinds of EDID handling abilities.
- Supports HDCP2.2/1.4 Compliant.
- Supports 36 bit Deep Color.
- Supports LPCM 7.1, Dolby TrueHD, Dolby digital Plus, and DTS-HD Master Audio.
- Support 3D.
- Bandwidth 18G.
- Support HDR.
- Support online firmware upgrade via Micro USB Port.

LOHDS4V4KHDR

SPECIFICA	LOHDS4V4KHDR
Operating Temperature Range	-5°C ~ +40°C (+23°F ~ +104°F)
Operating Humidity Range	5% ~ 90% (no condensation)
Bandwith frequency	18Gbps
HDCP	HDCP 2.2
Input ports	1 x HDMI (female)
Output ports	4 x HDMI outputs (female)
Resolution outputs	up to 4Kx2K (3840x2160@80Hz YUV 4:4:4)
Dimensions (LxWxH)	150 x 64.2 x 17 mm
Power consumption	2W (MAX)
Transmission Distance	15m (max) over standard HDMI cable / 26AWG
Net weight	245g

4K HDR EDID HDCP

HDR HDMI 4K HDR

LOHDS4V4KHDR
- Simultaneously displays an Ultra Hi-Def source on up to four Ultra HD displays
- Supports resolutions up to Ultra HD 4Kx2K (3840x2160@60Hz YUV 4:4:4)
- Supports four kinds of EDID handling abilities
- Supports HDCP 2.2/1.4 Compliant
- Supports 36 bit Deep Color
- Supports LPCM 7.1, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio
- Support 3D
- Bandwidth 18G
- Support HDR
- Support online firmware upgrade via Micro USB Port

LOHDS8V4KHDR

SPECIFICA	LOHDS8V4KHDR
Operating Temperature Range	-5°C ~ +40°C (+23°F ~ +104°F)
Operating Humidity Range	5% ~ 90% (no condensation)
Bandwith frequency	18Gbps
HDCP	HDCP 2.2
Input ports	1 x HDMI (female)
Output ports	8 x HDMI outputs (female)
Resolution outputs	up to 4Kx2K (3840x2160@60Hz YUV 4:4:4)
Dimensions (LxWxH)	247.2 x 110 x 17 mm
Power consumption	5W (MAX)
Transmission Distance	15m (max) over standard HDMI cable / 26AWG
Net weight	610g

4K HDR **EDID** **HDCP**

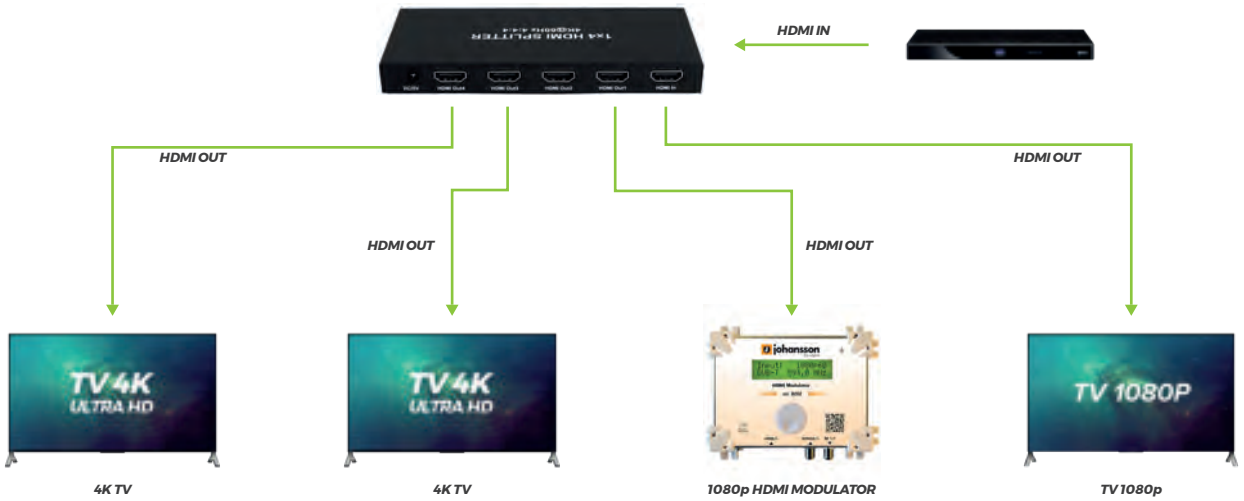
HDR HDMI 4K HDR

LOHDS8V4KHDR

- Simultaneously displays an Ultra Hi-Def source on up to eight Ultra HD displays.
- Supports resolutions up to Ultra HD 4Kx2K(3840x2160@60Hz YUV 4:4:4).
- Supports three kinds of EDID handling abilities.
- Supports HDCP2.2/1.4 Compliant.
- Supports 36 bit Deep Color.
- Supports LPCM 7.1, Dolby TrueHD, Dolby digital Plus, and DTS-HD Master Audio.
- Support 3D.
- Bandwidth 18G.
- Support HDR.
- Support online firmware upgrade via Micro USB Port.

LOHDS2V4KHDR, LOHDS4V4KHDR, LOHDS8V4KHDR

SCHEMA COLLEGAMENTO



LOHD88104K

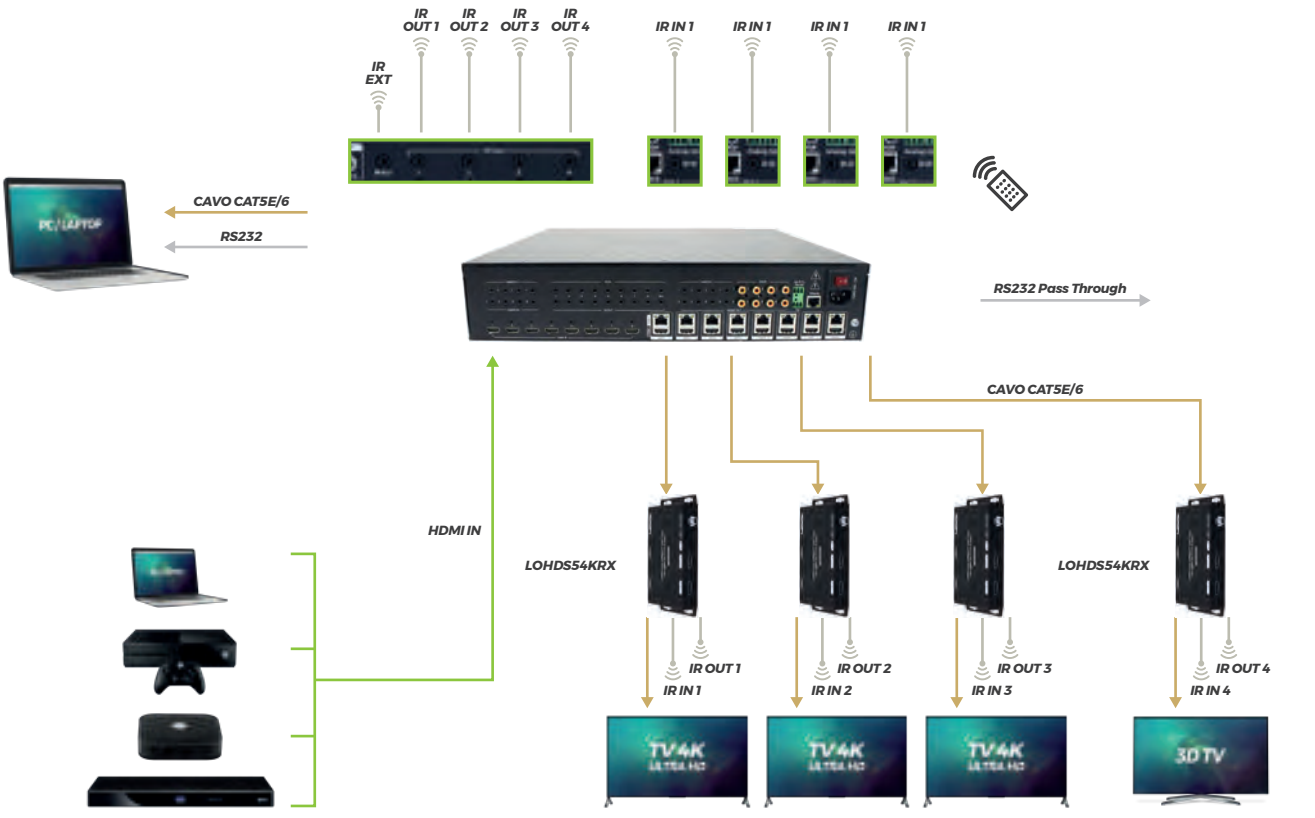
SPECIFICA	LOHD88104K
OperatingTemperature Range	-5 ~ +40°C (23 ~ +104°F)
Storage Temperature Range	-10 ~ +60°C (-14 ~ +140 °F)
Operating Humidity Range	5 ~ 90% RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Bandwidth	18Gbit/s
Video Format Supported	4K@60Hz,YUV4:4:4 4k@30Hz/1080P/1080i/720P/576P/480P/576i/480i
HDCP Compliant	HDCP2.2 and HDCP1.4
Output Video	HDMI2.0 and HDMI 1.4 (over HDBaseT and HDMI)
Audio Format Supported	PCM, Dolby5.1, DTS5.1 digital audio
Max Transmission Distance	1080P 70m, 4K 40m
Power Consumption	125wtts (Max)
Dimensions	438 x 394 x 88 mm
Mass (Main Unit)	8 KG

LOHD88104K

- Incorporate HDBaseT technology
- HDMI 2.0 version support 4K@60Hz YUV4:4:4, 18G, HDR10, Dolby Vision (HDMI LOOP)
- Any one of the 8 HDMI Sources to any one of the 8 HDMI Displays
- Each of the 8 outputs includes one HDBaseT output and one HDMI output simultaneously
- Transmit up to 70m under 1080p,40m under 4K@60Hz
- HDCP 2.2/1.4 compliant
- With wide-band Bi-Direction IR routed control(38~56KHz)
- Support 8x Analog Audio input
- Support 8x Analog Audio and 8x SPDIF Audio extraction output
- Support RS232 pass through
- Support Panel Button with LCD, IR Routing, RS232, TCP/IP, PC Tool Control
- Support POC (Receiver powered by HDBaseT Matrix)
- 2U rack design with mounting ears
- AC 110V~220V/50HZ/60HZ input

LOHD88104K

CONNESSIONE DA 8 SORGENTI



LOHDMX444KW

4K | WALL | IP | RS232

SAT
DTT
TVCC

4K 30HZ

SPECIFICA	LOHDMX444KW
Operating Temperature Range	0 to +40°C (32 to +104°F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Video Format Supported	DTV/HDTV: 1080P/1080i/720P/ 576P/480P/4K
Audio Format Supported	LPCM 2.0
Input ports	4xHDMI
Output ports	4xHDMI
Matrix mode	4x4 Seamless switching
Video wall mode	Multiple video wall modes
Power consumption	20watts(Maximum)
Dimension	438 x 205 x 44 mm
Weight	2710g

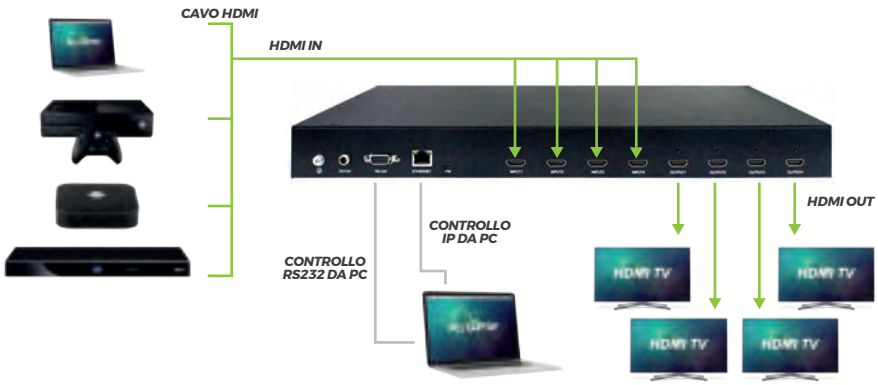
LOHDMX444KW

- Any one of the 4 sources to any one of the 4 displays.
- Seamless switching ensures no switching delay and pictures loss during transitions, the switching speed is less than 40 millisecond.
- Support video wall mode and output image mirror function
- Any one of the four outputs can be turned off independently.
- Support PCM 2CH audio.
- Support EDID management
- Compliant HDCP 2.2 and HDCP1.4
- Support high definition resolutions, including: 4K30HZ,1080p@60Hz@36 b/pixels, and other standard video formats.
- Support output downscale to 1080P/720P/2560*1440/1920*1200/1360*768
- With panel button, Remote Control, RS232 Control, TCP/IP Control to select the source. And support for third-party platform control.
- 1U rack design, easy installment.
- DC 12V 2A power supply.
- Unit size: 438 x 205 x 44 mm.

LOHDMX444KW

2X2 VIDEOWALL

4X4 HDMI MATRIX



LOHDMXV44

1080p WALL

SAT DTT TVCC

LOHDMXV44

- Split and splicing TV, monitors, video walls easily and conveniently
- No need computer and software control
- Get vertical video wall perfectly from horizontal sources
- Screen (180° Rotation of splicing monitor images)
- Display by 1x2, 1x3, 1x4, 2x2, and so on (option)
- Extendable Display by 3x2, 3x3, 4x4, etc (needs more controllers, or see the following connections and diagrams)

SPECIFICA	LOHDMXV44
Feature	
AV/CVBS Input	PAL/NTSC/SECAM CVBS signal (1.0Vp-p +/-5%)
HDMI Input	480p, 576p, 720p, 1080i, 1080p
DVII Input	480p, 576p, 720p, 1080i, 1080p
ATV Input	Analog TV
USB Input	Play movie, read text, photo from USB device
HDMI Input	x4
Selection Button	
Split/No	Split function (4 images display separate) Splicing function (one image on the entire video wall)
USB Mode	Enter USB mode
HDMI Mode	Enter HDMI mode and DVI mode
Input	Sources selection
Power supply	
Working Voltage	DC 12V
Power Consumption	≤ 1W
Comb Filter	3D
Others	
Keys Function	Full-function remote control: Mute, MENU, VOL+/- , CH+/-, Source, and so on
OSD Language	English, Chinese
Applications	Wall Display/Shopping Center/Security /Airport/ Control Room/Show Room/Entertainment Venue/ Command Centers//Educational Presentations / Medical Campuses / Corporate Lobbies/Restaurants/ Point-of Sale
Packing	
Unit Dimension	258x134x34 mm (L x W x H)
Gift Box Size	370x200x100mm (L x W x H)

HDMI DVI IN VGA IN CVBS IN

ROTAZIONE VIDEO 90°
VIDEOWALL 2x2: ORIZZONTALE E VERTICALE

LOHD16164K

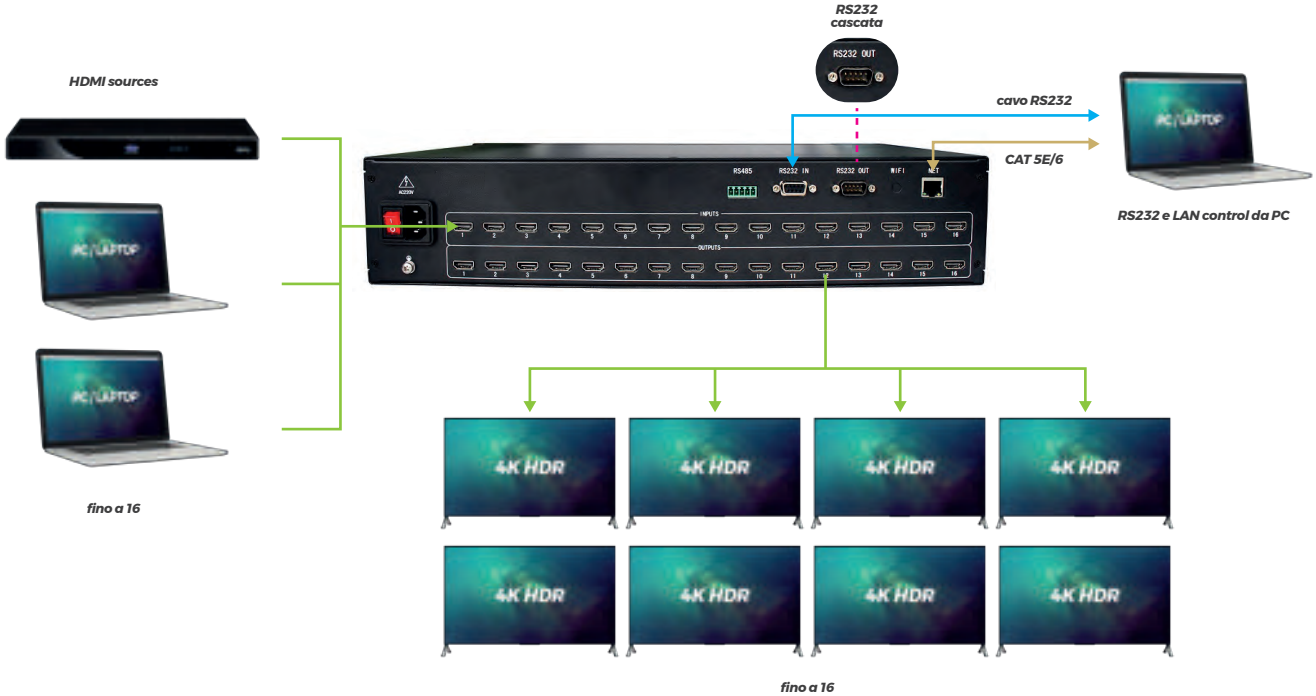
LOHD1 6164K

- Allows up to 16 HDMI Sources to be independently switched to HDMI Displays
- Supports resolutions up to 4K@30Hz
- Reading and saving EDID Function from HDMI Displays
- Switching modes: Panel Buttons, RS232, RS485, PC software control, WIFI (Option)

SPECIFICA	LOHD1616K
Specification	Interface Type-A-type HDMI Female Minimum Level 0.5Vp-p Maximum Level 1.0Vp-p Differential Impedance 100Ω Return Loss -30db@5MHz Interface HDMI A-type(19 pin) Female Input Level 0.7Vp-p Differential Impedance 100Ω Return Loss -30db@5MHz DC Compensation 5mV (Max)
Signal Type	HDMI1.4 specification HDMI-Aall-digital T.M.D.S.
Protocol	Support HDMI1.4 Protocol compatible with DVI1.0 Protocol
Bandwidth	340MHz
Video Format Supported	3840 x 2160P/1080P/1080i/720P/576P/480P/576i/480i
Serial interface	RS232, 9-pin female D-type connector, Ports 2, 3 and 5 are directly connected, Serial port parameters: 9600bps, 8-bit data, 1 start bit, 1 stop bit
Control Method	Panel Button, RS232, Remote Controller, PC software control
Power Supply	ACIN 176V - 264V
Power consumption	30 ~ 50W
Operation Temperature	0°C ~ 45°C
Relative Humidity	10% ~ 90%
ESD Protection	Human-body Model: ±8kV(Air-gap discharge) / ±4kV(Contact discharge)

LOHD16164K

SCHEMA COLLEGAMENTO



LOHD88KHDR

4K HDR POC HDCP

SAT
DTT
TVCC

4K UHD

SPECIFICA	LOHD88KHDR
Bandwidth	18 Gbps
Resolution	480p@60hz,576P@50hz,720P@60hz, 1080P@24hz,1080P@50hz,1080P@60hz,4K@24hz,4K@30hz, 4K@60hz YUV4:2:0, 4K@ 60hz YUV4:4:4
Video Input Connectors	8xHDMI Type A, 19-pin, female
Video Output Connectors	8xHDMI Type A, 19-pin, female
RS-232 serial port	DB9, female
Ethernet port (IP control)	RJ45, female
IR Ext port	1x3.5mm stereo jack
Rack-Mountable	Rack ears included
Dimensions (WxHxD)	L440XW220XH44.5mm
Net Weight	2.8kg
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Storage Temperature	-40°F to 158Z°F (-40°C to 70°C)
Power consumption	19W(Max)

LOHD88KHDR

- HDMI 2.0 version (Support 4K@60Hz YUV4:4:4)
- Support 3D
- Bandwidth upto 18Gbps
- HDCP2.2 input ,HDCP2.2 output
- HDCP1.4 input, HDCP1.4 output
- Support HDR10
- 8xHDMI Input, 8xHDMI output with 8xSPDIF Audio
- Any one of the 8 Ultra HD sources to any one of the 8 Ultra HD displays
- Support Panel Button, Local IR, RS232 Control with command, IP Control, Web GUI Control
- Support Dolby True HD and DTS-HD master audio
- 1U rack design, easy installment
- Unit size: L440XW220XH44.5mm

HDR

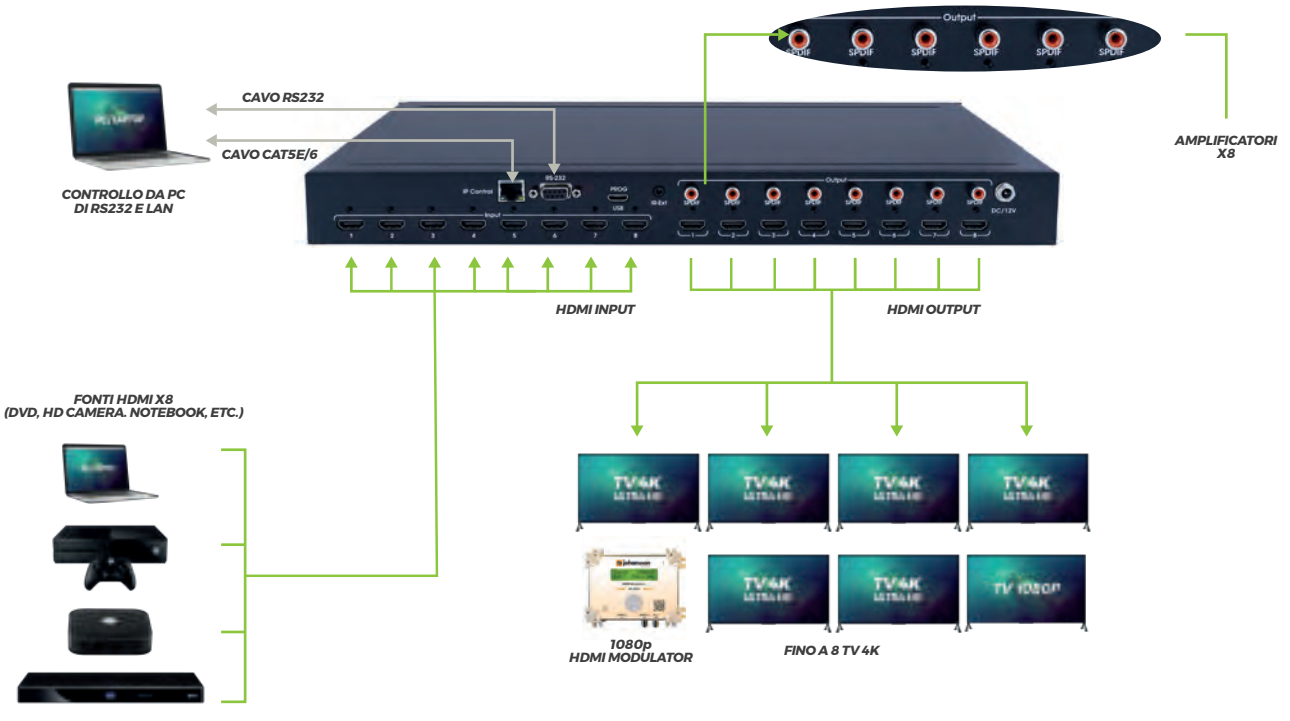
HDMI 8 IN

HDMI 8 OUT

COMPATIBILE!

LOHD88KHDR

SCHEMA COLLEGAMENTO



LOHD44KHDR

4K HDR POC HDCP

SAT
DTT
TVCC

4K UHD

SPECIFICA	LOHD44KHDR
Operating Temperature	23°F to 113°F (-5°C to 45°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Resolution	480p@60hz,576P@50hz,720P@60hz, 1080P@24hz,1080P@50hz,1080P@60hz,4K@24hz, 4K@30hz, 4K@60hz YUV4:2:0, 4K@ 60hz YUV4:4:4
HDCP Compliant	HDCP2.2 and HDCP1.4
Output video	HDMI2.0 and HDMI 1.4
Audio Format Supported	PCM, Dolby5.1/7.1, DTS5.1/7.1 digital audio, Dolby Atmos
RS-232 serial port	3PIN terminal block connectors
Ethernet port (IP control)	RJ45, female
IR Ext port	1x3.5mm stereo jack
USB port	Micro 5P female
Bandwidth	18 Gbps
Default IP	192.168.1.168
Rack-Mountable	Rack ears included
Dimensions(WxHxD)	L216XW105XH34mm
Net Weight	0.72kg
Power consumption	13W (Max)

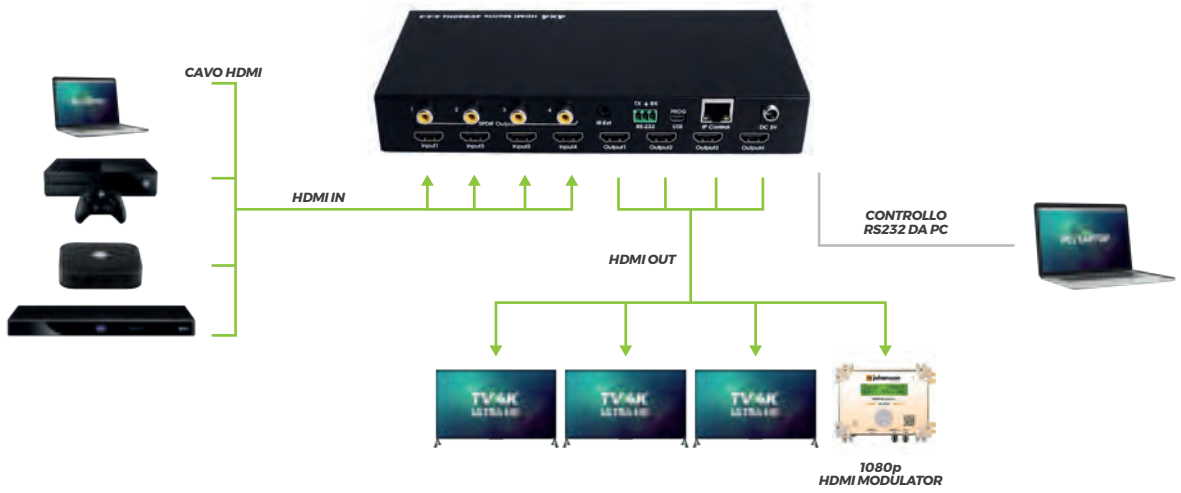
LOHD44KHDR

- HDMI 2.0 version (Support 4K@60Hz YUV4:4:4)
- Bandwidth upto 18Gbps
- HDCP2.2 input, HDCP2.2 output
- HDCP1.4 input, HDCP1.4 output
- Support HDR10
- 4xHDMI Input, 4xHDMI output with 4xSPDIF Audio
- Any one of the 4 Ultra HD sources to any one of the 4 Ultra HD displays
- Support Panel Button, Local IR, RS232 Control with command, IP Control, Web GUI Control
- Support Dolby True HD and DTS-HD master audio, Dolby Atmos under copy EDID
mode
- Support firmware updating through USB port
- Unit size: L216XW105XH34mm

HDR
HDMI 4 IN
HDMI 4 OUT

LOHD44KHDR

SCHEMA COLLEGAMENTO



LOHD44KHDR19R

4K UHD HDR10 TLC HDCP HDMI RACK

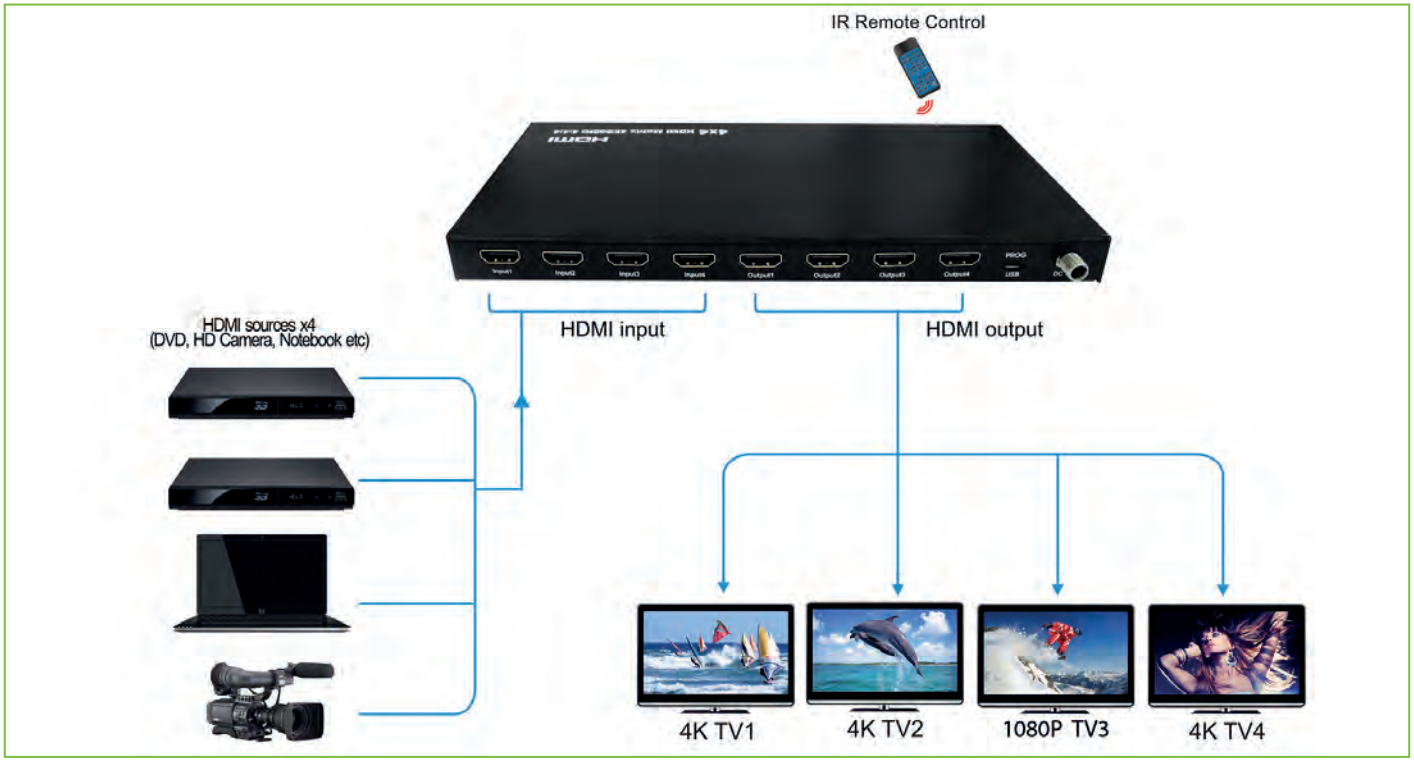
SAT
DTT
4K UHD

SPECIFICA	LOHD44KHDR19R
Bandwidth	18 Gbps
Resolution	480p@60hz,576P@50hz,720P@60hz, 1080P@24hz,1080P@50hz,1080P@60hz,4K@24hz ,4K@30hz, 4K@60hz YUV4:2:0, 4K@ 60hz YUV4:4:4
Operating Temperature Range	0 to +40°C (32 to +104°F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Support	HDR10,HDR,Dolby vision
Deep color	8bit,10bit,12bit
Output Video	HDMI 2.0+HDCP1.4/2.2
Output Audio	Support LPCM7.1/24-bit/96khz,Dolby Atmos and DTS-X
Dimensions(WxHxD)	L239.2XW105.8XH20mm
Net Weight	0.76 kg
Power consumption	12.3W(Max)

LOHD44KHDR19R

- 4×4 HDMI Matrix,4×HDMI Inputs,4×HDMI Outputs
- HDMI 2.0 version(Support upto 4K@60Hz YUV4:4:4 8bit)
- Bandwidth up to 18 Gbps
- HDCP 2.2/HDCP1.4 compliant
- Support Panel button,IR remote control
- Support Micro USB port for firmware upgrade
- Support HDR10,HDR,Dolby vision,deep color upto 12bit
- Support LPCM7.1/24-bit/96khz,Dolby Atmos and DTS-X
- Support EDID management(Copy EDID,Build-in EDID)
- Support 4K60Hz input downscaler to 1080p

HDMI



LOHDEW03

1080p H.264 USB WIFI

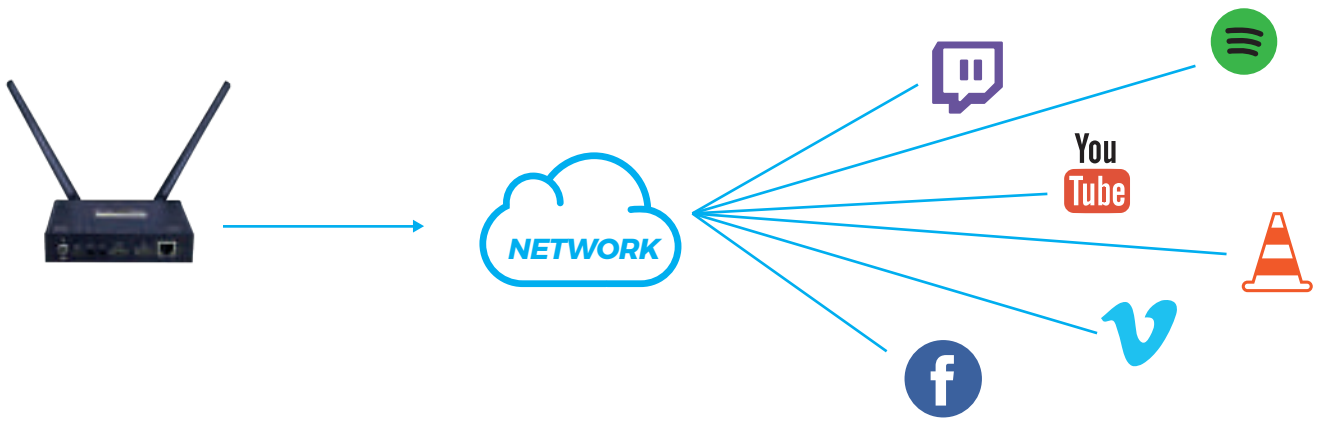
LOHDEW03

- Supporta HDMI1.4a, HDCP 1.4
- Modulo wifi IEEE 802.11 b/g/n, velocità fino a 150Mbps, supporta modalità access point e station
- Interfaccia ethernet 10/100mbps
- Segnale video ingresso 1080p60
- H.264 High Profile @ level 4.1, ritardo meno di 70ms
- Audio AAC-LC e G.711
- Supporta dual stream
- Protocollo RTP/RTSP
- Supporta protocolli push RTMP, UDP-TS
- Supporta ONVIF 1.1/2.0
- Interfaccia web e video preview online

SPECIFICA	LOHDEW03
Segnale	
HDMI	HDMI 1.4a / HDCP 1.4
Risoluzione	1080p/720p/480p/576p/480i/576i (max 60Hz), compatibile con risoluzione VESA
Audio analogico	Line in (1.5Vp-p)
Codifica	
Video	H.264 high profile (@level 4.1)
Audio	AAC-LC, G.711 (u-Law/a-Law)
Ritardo	≤70ms
Video bitrate	512Kbps ~ 15Mbps
Audio bitrate	AAC: 16~256Kbps // G.711: 64Kbps
Trasmissione	
Protocolli	RTP/RTSP, RTMP, HLS, MPEG-TS Push and HTTP
Protocollo controllo	TCP
Protocollo network	HTTP / Onvif
Protocollo PTZ	Pelco-D / Sony Visca (through RS485 extend adapter)
Generico	
Ingresso/uscita video	1x HDMI / 1x HDMI loop out
Video source	HDMI
Ingresso/uscita audio	1x 3,5mm jack
Network	1x RJ-45, 10/100M self-adaptive Ethernet network
USB	1x micro usb (2.0), usb supporta l'alimentazione
Alimentazione	DC 5V, 2A
Consumo	≤3W
Temperatura operativa	-20éC ~ +75°C

LOHDEW03

SCHEMA COLLEGAMENTO



NOTE

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CATALOGO
FIBRA OTTICA
2021 - Q2

Fibra Ottica / Strumenti e accessori
2021 - Q2

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P7
Strumenti per fibra ottica

P15
Utensili e strumenti per pulizia fibra ottica

Splicer Master V9+ Core Alignment - 6 Motors

Fusion Splicer V9+

6 MOTORS

OSD ITALIANO INGLESE

TM SOC
Adattatore connettori rapidi SOC

SPECIFICHE	SPLICER MASTER V9+
Dimension	130 x 170 x 170 (excluding rubber bumper) 140 x 170L x 176 (including rubber bumper)
Weight	2233 g (with battery) / 1853 g (without battery)
Number of Fiber	Single
Applicable Fibers	SM (ITU-T G.652& G.657) / MM (ITU-T G.651) / DS (ITU-T G.653) / NZDS (ITU-T G.655)
Compatible Fiber/Cable	0.25 - 3.0mm/Indoor Cable
Cleaved Length	Diameter 0.125 - 1 mm/Cleave Length 8-16mm
Cladding Diameter	80 - 150μm
Splicing Mode	Pre-set 41 splicing modes, max 100 modes
Heating Mode	Pre-set 5 heating modes (20/30/40/50/60mm), max 100 modes
Typical Splice Loss	SM: 0.02dB / MM 0.01dB/ DS: 0.04dB I NZDS 0.04 dB/ G.657 0.02dB (ITU-T Standard)
Return Loss	≥ 60 dB
Lighting	3 White LEDs
Splicing Time	Quick mode: 6 s
Estimated Splice Loss	Available
Heating Sleeve Length	20 -60 mm
Heating Time	Quick heating time 13s, typical heating time: 30s
Results Storage	The last 2000 results
Tension Test	1.96 - 2.25N
Operating Condition	Operating Altitude: 0 ~ 5000 m above sea level, 0 ~ 95% relative humidity, -10°C ~ 50 °C. Max Wind 15m/s
Storage Condition	0 ~ 95% relative humidity, -40°C ~ 80°C
Display	90° bi-directional view, 5.0" Color High Resolution Display
Fiber View & Magnification	X, Y, XY, X/Y 500X Magnification
Power Supply	AC Input 100 - 240V, DC Input 12 - 15V
N° of Splice/Heating with Battery	5200mAh Battery Capacity, Typical 250 times (Splice + Heat)
Operating Methods	Button/Touch Screen
Automatic Calibration	Automatic are calibration by air pressure and temperature
Electrode Life	5000 arcs
Terminal	Mini USB 2.0

Standard accessories:
- Fusion splicer V9+
- Fiber cleaver A9+
- Battery
- Power adapter
- AC power line
- Back-up electrode
- Cooling tray
- Carrying case
- Carrying strap
- User manual
- Splicing test report
- Miller stripper
- Drop cable stripper
- Alcohol bottle

Main features:
- Backbone Core Alignment Fusion Splicer
- DACAS - Digitai Analysis Core Alignment Systems
- Integrateci fiber-adjust frame, performation is more stable
- Fiber type identification function
- V-groove precise alignment, high quality and low loss
- Auto-splicing mode, using friendly design
- Dust-proof, water-proof, high temperature resistance, adapting to various altitude and harsh environment
- 5" high resolution color LCD touch screen, 500X magnification, visible clearly with bare eyes
- Packed with detachable 5200mAh battery, more than 250 times of splicing and heating
- High-power 3 white LEDs simplifies your work at night
- Detachable multifunction fixture, suitable for various fiber type
- Fiber endface melter & fusion splicer 2 in 1

Fusion Master A9+

Borsa e accessori

Fusion Splicer V9+

Splicer Master FST-83A – Core Alignment 4 Motors

Splicer Master FST-83A

4 MOTORS

OSD ITALIANO INGLESE

TM SOC
Adattatore connettori rapidi SOC

SPECIFICHE	SPLICER MASTER FST-83A
Dimension	136 x 160 x 148 (excluding rubber bumper) 140 x 165 x 148 (including rubber bumper)
Weight	2280 g (with battery) / 1900 g (without battery)
Number of Fiber	Single
Applicable Fibers	SM (ITU-T G.652 & G.657) / MM (ITU-T G.651) / DS (ITU-T G.653) / NZDS(ITU-T G.655)
Compatible Fiber/Cable	0.25 - 3.0mm / Indoor Cable
Cleaved Length	Diameter 0.125 - 1 mm / Cleave Length: 8-16 mm
Cladding Diameter	80 - 150 µm
Splicing Mode	Pre-set 41 splicing modes, max 100 modes
Heating Mode	Pre-set 5 heating modes (20/30/40/50/60 mm), max 100 modes
Typical Splice Loss	SM: 0.02 dB / MM 0.01 dB / DS: 0.04 dB / NZDS 0.04 dB / G.657 0.02 dB (ITU-T Standard)
Return Loss	≥ 60dB
Lighting	3 White LEDs
Splicing Time	Quick mode: 6s
Estimated Splice Loss	Available
Heating Sleeve Length	20 - 60 mm
Heating Time	Quick heating time: 13 s, typical heating time: 30 s
Results Storage	The last 2000 results
Tension Test	1.96 - 2.25 N
Operating Condition	Operating Altitude: 0 - 5000 m above sea level, 0 - 95% relative humidity, -10°C ~ 50°C, Max Wind 15m/s
Storage Condition	0 ~ 95% relative humidity, -40°C ~ 80°C
Display	90° bi-directional view, 5.0" Color High Resolution Display
Fiber View & Magnification	X, Y, XY, X/Y 500X Magnification
Power Supply	AC Input 100 - 240V, DC Input 12 - 15V
N°of Splice / Heating with Battery	5200 mAh Battery Capacity, Typical 250 times (Splice + Heat)
Operating Methods	Button/Touch Screen
Automatic Calibration	Automatic are calibration by air pressure and temperature
Electrode Life	5000 arcs
Terminal	Mini USB 2.0

Standard accessories:
- Fusion splicer FST-83A
- Fiber cleaver A9+
- Battery
- Power adapter
- AC power line
- Back-up electrode
- Cooling tray
- Carrying case
- Carrying strap
- User manual
- Splicing test report
- Miller stripper
- Drop cable stripper
- Alcohol bottle

Main features:
- Industriai 4-motors driving, high quality and low loss
- 5" high resolution color LCD touch screen, 500X magnification, visible clearly with bare eyes
- Packed with detachable 5200mAh battery, more than 280 times of splicing and heating
- Auto-splicing mode, using friendly design
- Integrated fiber-adjust frame, performation is more stable
- High-power LED white light simplifies your work at night
- Detachable multifunction fixture, suitable for various fiber type
- Dust-proof, water-proof, high temperature resistance, adapting to various altitude and harsh environment

Splicer Master A9+

Borsa e accessori

Splicer Master FST-83A

Splicer Master FST-18S – Cladding Alignment 4 Motors

Splicer Master FST-18S

4 MOTORS

OSD ITALIANO INGLESE

SPECIFICHE	SPLICER MASTER FST-18S
Dimension	115 x 160 x 135 (excluding rubber bumper) 120 x 165 x 135 (including rubber bumper)
Weight	1735 g (with battery) / 1355 g (without battery)
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652& G.657)/MM(ITU-T G.651)/DS(ITU-T G.653)/NZDS(ITU-T G.655)
Compatible Fiber/Cable	0.25 - 3.0 mm / Indoor Cable
Cleaved Length	Diameter 0.125 - 1 mm / Cleave Length: 8-16 mm
Cladding Diameter	80 - 150 µm
Splicing Mode	Pre-set 41 splicing modes, max 100 modes
Heating Mode	Pre-set 5 heating modes (20/30/40/50/60mm), max 100 modes
Typical Splice Loss	SM: 0.03dB / MM 0.02dB/ DS: 0.05dB I NZDS 0.05 dB / G.657 0.03dB (ITU-T Standard)
Return Loss	≥ 60dB
Lighting	3 White LEDs
Splicing Time	Quick mode: 6s
Estimated Splice Loss	Available
Heating Sleeve Length	20 - 60 mm
Heating Time	Quick heating time: 13 s, typical heating time: 30s
Results Storage	The last 2000 results
Tension Test	1.96 - 2.25N
Operating Condition	Operating Altitude: 0 - 5000 m above sea level, 0 - 95% relative humidity, -10°C ~ 50°C, Max Wind 15m/s
Storage Condition	0 ~ 95% relative humidity, -40°C ~ 80°C
Display	90° bi-directional view, 4.3" Color High Resolution Display
Fiber View & Magnification	X, Y, XY, X/Y 380X Magnification
Power Supply	AC Input 100 - 240V, DC Input 12 - 15V
N°of Splice / Heating with Battery	4800mAh Battery Capacity, Typical 230 times (Splice + Heat)
Operating Methods	Button/Touch Screen
Automatic Calibration	Automatic are calibration by air pressure and temperature
Electrode Life	5000 arcs
Terminal	Mini USB 2.0

Standard accessories:

- Fusion splicer FST-18H / FST18S
- Fiber cleaver A9+
- Battery
- Power adapter
- AC power line
- Back-up electrode
- Cooling tray
- Carrying case
- Carrying strap
- User manual
- Splicing test report
- Miller stripper
- Drop cable stripper
- Alcohol bottle

Main features:

- Industriai 4-motors driving, high quality and low loss
- 5" high resolution color LCD touch screen, 380X magnification, visible clearly with bare eyes
- Packed with detachable 5200 mAh battery, more than 280 times of splicing and heating
- Auto-splicing mode, using friendly design
- Integrated fiber-adjust frame, performation is more stable
- High-power LED white light simplifies your work at night
- Detachable multifunction fixture, suitable for various fiber type
- Dust-proof, water-proof, high temperature resistance, adapting to various altitude and harsh environment

Splicer Master A9+

Borsa e accessori

Splicer Master FST-18S

Splicer Master FST-V1 Cladding Alignment 4 Motors

4 MOTORS

SPECIFICHE	SPLICER MASTER FST-18H
Appicable Fibers	SM (ITU-T G. 652&G.657), MM (ITU-T G.651), DS (ITU-T G.653), NZDS (ITU-T G655)
Compatible Fiber / Cable	0.25 - 3.0 mm / Indoor Cable
Cleaved Length	Coating Diameter: 0.125-1 mm / Cleave length: 8 - 16 mm
Splicing Mode	Preset 41 splicing modes, storable 100 modes
Typical Splice Loss	SM: 0.03dB/MM: 0.02 dB/DS: 0.05 dB/NZDS: 0.05 dB/G657: 0.03 dB (ITU-T Standard)
Return Loss	≥ 60db
Lighting	2 powerful white LEDs
Splicing Time	SM fast mode: 6s
Estimateci Splice Loss	yes
Protection Sleeve Length	20 - 60 mm
Heating Tank	Preset 5 kinds of thermal heating tube: 20 / 30 / 40 / 50 / 60 mm, max 100 modes
Heating Time	Fast heating time: 13s, Typical Heating Time: 30s
Results Storage	20000 latest records & 200 images
Tension Test	1.5 - 2.0 N
Display	3.5” high resolution display with touch screen
Fiber View & Magnification	X, Y, XY, X/Y: 380 x Magnification
Power Supply	AC Input 100 - 240V, DC Input 12 - 15V
Battery Capacity	2200 mAh battery capacity
Heating Times	Typical above 120 times (splicing + heating)
Operating Methods	Button / Touch Screen
Automatic Calibration	Automatic ARC calibration by air pressure and temperature
Electrode Life	5000 ARCs
Terminal	USB 2.0
Weight	1.15 kg (including Rubber Bumper)
Dimension	132 x 205 x 98 mm (including Rubber Bumper)
Operating Condition	Operating altitude 0 ~ 5000m above sea level, 0 ~ 95% relative humidity -10 ~ 50°C, max wind 15m/s
Storage Condition	0 ~ 95% relative humidity, -40 ~ 80°(; battery storage: -20 ~ 30°C

Standard configuration:

- Host machine FST-V1
- Fiber cleaver
- Battery TPW-45
- Spare electrode E2
- Adapter TPA150300
- Power cable
- Fiber stripper (optional): CFS-2
- Cable stripper (optional) WX-1101
- SOC fiber holder
- Carrying case X103
- Alcohol bottle
- Cooling tray TP02
- Carrying Straps TP02
- Test report
- User Manual
- Cleaning Kitbag (optional)
- Rubber Blower (optional)
- Working table (optional)

Main features:

- Compact active V-Groove fusion splicer
- Light weight, compact size, handheld fusion splicer
- Smart connecting with internet
- 3.5” high resolution LCD touch screen with 380X magnification
- German CNC technique and integrated fiber-adjust frame, which make performance much stable
- Built-in Japanese components and Korean chipset
- 2 high-power white leds and illuminated keypads simplify your work at night
- Dust proof, waterproof, shock proof and high temperature resistance

Splicer Master A9+

Splicer Master FST-V1

YOPM58+ - Multi-Function Optical Power Meter

SPECIFICHE	YOPM58+
Display Range	-50~+ 26dBm
Accuracy*	± 0.2 dB
Calibrated Wavelenghts	850 / 1300 / 1310 / 1490 / 1550 / 1625 nm
Resolution	0.01 dB
OPM Connector	2.5mm universal
Wavelenghts Response Range	700~1700nm
PD Type	InGaAs
Modulation Test	270//1k / 2kHz
Data Storage	Yes
Battery	450mAh
VFL Connector	2.5mm
VFL Power LED	10mW
RJ-45 Cable Test	Yes
Size	59mm x 98mm x 27mm
Weight	100g
Storage Temperature	-20 ~ 60°C, < 90% RH
Operating Temperature	-10 ~ 50°C, < 90% RH

*at 20 ±3 °C, CW, with FC connector, -10dBm

Main features:

- OPM with 500 trace data storage
- 10 MW VFL for fast fault location
- LED light for dark environment, RJ-45 net cable testing
- Micro USB charging, build in lithium-ion battery

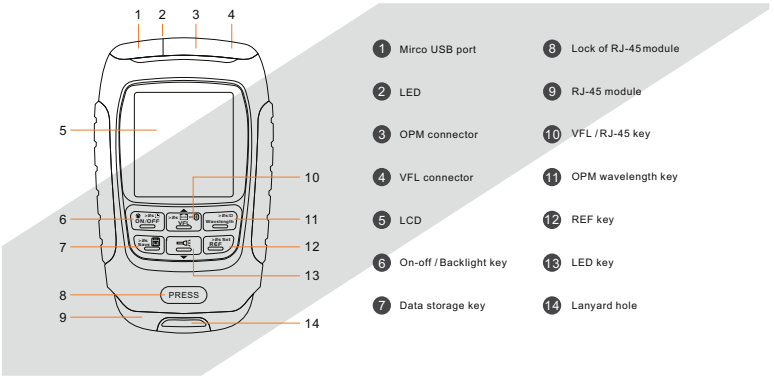
Accessories:


Host


Box


USB cable

Structure:



YBML-21 LiV - 10 Multi-Function VFL

SPECIFICHE	YBML-21 LIV - 10
Output Power	> 10 mW
Dynamic Distance	> 8 ~ 10 km
Wavelength	650nm ± 15nm
Operation Mode	Pulsed (2 Hz) and CW
Connector	2.5mm UPP (or customize 1.25 mm UPP)
VFL Output Power	10mW, 20mW, 30mW
VFL Glint	Yes
LED Light	6LED
Power Bank	LG 3350mAh Battery
Power Bank Output	5V / 1A
Size	131mm x 27mm x 27mm
Weight	113 g

Main features:

- Bright red laser at 650 nm
- Pulsed and CW operation
- Multi-wavelength testing and display
- LG 3350mAh Rechargeable Battery
- Fast locate the broken point
- Aluminium Alloy Body
- 2.5 mm universal connector

Accessories:


Soft Bag


USB cable


Led ight


Power Bank


Anti-misoperation


Rechargeable Battery

YAOP100C/110C - Optical Power Meter

SPECIFICHE	YAOP100C	YAOP110C
Display Range	1310 / 1490 / 1550 / 1625: +26 ~ -50 dBm 850 / 1300: +26 ~ -40 dBm	1310 / 1490 / 1550 / 1625: +26 ~ -50 dBm 850 / 1300: +26 ~ -40 dBm
Accuracy	± 0.2 dB	
Calibrated Wavelenghts	850 nm / 1300 nm / 1310 nm / 1490 nm / 1550 nm / 1625 nm	
Resolution	0.01 dB	
Connector	FC & 2.5 mm UPP (option: SC, ST)	
REF	Yes	
Automatic Power Off	No operation in 10 minutes (can be canceled), low battery energy	
Build in VFL	1 mW or 10 mW	
Data Storage	1000 traces	
Threshold setting	10 sets (colorful reading for pass/fail)	
User defined wavelenghts	10	
Manual Calibration	Yes	
Wave ID Detect	Yes (work with AOS210 laser source)	
Battery Charge	Yes	
Data Transfer	USB	
Real Time Monitor	10 minutes to 360 days. Interval: 0.5s, 2s, 15s, 60s, 180s, 600s	
Battery Life	Above 50 hours	
Power Supply	AA x 3 batteries or AC/DC power supply by USB cable	
Size	170 x 97 x 38 mm	
Weight	About 380 g	
Storage Temperature	-20 ~ +60°C, < 90% RH	
Operating Temperature	-10 ~ +50°C, < 90% RH	

Main features 100C:

- FC, SC, ST adapters and 2.5mm UPP
- Data storage
- 7X24 real-time test on PC: (optional)
- Built-in VFL
- Energy save mode
- Data transfer (optional)
- Reference value storage
- Power autonomy of 100 hours
- 850 / 1300 / 1310 / 1490 / 1550 / 1625 nm
- One-year warranty and Three-year recommended calibration interval.

Main features 110:

- Normal OPM mode and AUTO TEST OPM mode
- WAVE ID mode and AUTO WAVE ID mode
- Multi-wavelengths display in AUTO TEST mode
- 10 sets of user defined wavelengths
- Thereshold setting (colorful reading for Pass/Fail)
- Manual calibration
- USB connect opm amd 7 x 24 real-time test on PC
- 1000 traces of Data Storage
- Built-in VFL
- 850 / 1300 / 1310 / 1490 / 1550 / 1625 nm
- One-year warranty and Three-year recommended calibration interval.

Standard:

Carrying bag

Calibration certificate

Manual

CD

Packing box

Optional:

FC adapter

SC adapter

ST adapter

AC/DC adapter

FC male to LC female adapter

YAOS200 - Optical Laser Source MM-SM

Main features:

- 1 ~ 3 wavelengths + VFL
- High stabilization, built-in optic isolator
- 270Hz, 1KHz, 2KHz modulation output
- Wave ID output, work with Tribrer YAOP100-YAOP110
- Built in VFL (optional)
- Energy save mode
- One-year warranty and Three-year recommended calibration interval

SPECIFICHE	M8	M3	S3	S4	S5	S6	V01	V10
Wavelenghts (nm)	850	1300	1310	1490	1550	1625	1mW VFL	10mW VFL
Stabilization	± 0.05 dB / 1 hour; ± 0.1 dB / 8 hours							
Output Power	> -6 dBm @ 1310 nm / 1490 nm / 1550 nm / 1625 nm / > -10 dBm @ 850 nm / 1300 nm							
Modulation	270 Hz, 1 KHz, 2 KHz							
Connector	FC / PC (or customize)							
Automatic Power Off	No operation in 10 minutes (can be canceled), low battery energy							
Build in VFL (Optional)	1 mW or 10 mW or customize							
Wave ID	Yes							
Battery Charge	Yes							
Operate Time	Above 16 hours							
Power Supply	AA x 2 batteries or AC/DC power supply adapter							
Size	170 x 97 x 38 mm							
Weight	About 380 g							
Storage Temperature	-20 ~ +60°C, < 90% RH							
Operating Temperature	-10 ~ +50°C, < 90% RH							

YAPA-L500 SSC/MSC - Fiber Launch Cable

SPECIFICHE	YAPA-L500
Fiber Type	SM / G.657A / MM OM3
Connector Type	FC / SC
Polishing Type	APC / UPC selectable
Material	SR Polypropylene
Color	Yellow
Weight	1 kg (package included)
Size	27.5 x 15.3 x 7.6 cm
Operating Temperature	-40°C ~ +55°C
Typical Loss	< 0.5 dB @ 1310 nm for 100 meters

DT-A86 HD Combine Tester

SPECIFICHE	DT-A86
IPC protocol	ONVIF, RTSP, RTP
IPC test	Discovering the device, real-time video, camera configuration, PTZ test, dicovering ONVIF device cross the network segment
IPC image test	H265/H264 decoding, support 4K@30FPS, local zoom preview (at 8 levels)
WiFi Spectrum test	Support 2.4G and 5G frequency band, spatial frequency band signal scanning and detection, and spatial noise (interference) signal detection
WiFi Signal monitoring	Support 2.4G and 5G frequency band quick monitoring of signal change, refresh frequency: 1-10Hz
POE test	The tester supplies the power. 802.3 at 25.5Wmax, PD actual power and voltage detection
Analog video test	Support format NTSC/PAL/HD-CVI3.0 standard /AHD3.0 standard /HD-TVI3.0 standard
Video input / output	BNC video 1Vpp
Video digital zoom	Support zoom at 8 level
Video signal generator	Sending PAL/NTSC video test signal, sending CVI, AHD and TVI video test signal (720P/1080P)
HDMI signal test In/Out	720P 25/30/50/60Fps 1080P 25/30/50/60Fps
Audio test	1 x Audio signal input
Coaxial PTZ control test	Video IN BNC interface
Coaxial PTZ protocol	CVI protocol (Dahua coax), AHD protocol (Pelco c) and TVI protocol (Hikvision)
485 PTZ control test	More than 30 protocols, including Pelco-D/P, Samsung, Panasonic, Lilin and Yaan
Baud rate	150, 300, 600, 1,200, 2,400, 4,800, 9,600 and 19,200bps
WiFi test	Support 2.4 e 5Ghz frequency band, connection information (delay detection, packet loss and rate)
Ethernet test	10/100/1000 detection - Loop, DHCP, traffic, quality
TDR cable test	Testing the length of network cable (4 pairs). Resolution: 0.1 meter; Accuracy: 1 meter. The maximum length of the measured cable is 130-200 meters (depending on the wire rod)
POE test	The tester receive/supplies the power. 802.3at 25.5Wmax, PD actual power detection
Head led	2 x 35lm LED, wide angel
Interface	Dual-port RJ45 Ethernet 1Gbs, support serial connection
Display	7.0" TFT 1920x1200 resolution - 16.7 M color
Battery	2x lithium battery pack capacity of 18.5Wh
Power supply	12V - 1.5A 18W max - Charging time 3/4 hours
Power saving	Auto power off setting
Working humidity	30% ~ 90%
Working temperature	-10° ~ +55°C
Dimension (HxWxD)	236.5 x 133.4 x 45.4mm

NEW item

Main features:

- Built-in 2 lithium batteries, POE power supply and 12V-2A power output
- 7 inch color LCD, Full HD, touch screen
- Multifunction tester: WiFi/Air spectrum and signal test (using dual antenna omnidirectional), ONVIF test, 4K CVI/AHD/TVI camera test, Signal generator, Cable TDR test, Digital multimeter, Optical power meter

1	RESET	"Reset" button: If necessary, use ball-point pen or other appropriate small tools to press down the keys inside the small hole to restart the tester.
2	AUDIO	Audio input port: 3.5MM Audio input port.
3	DC12 CHARGE	12V/2A charging interface
4	DMM FUSE	Multimeter fuse: It can be replaced after having been fused.
5		Digital multimeter, Headset and extension interface
6		Digital multimeter, Measuring current (AC / DC)
7		Digital multimeter, Common interface
8		Digital multimeter, Measure voltage (AC / DC), resistance, capacitance, diode, and circuit ON/OFF.
9	OUT PUT HDMI	Output HDMI test signal
10	IN PUT HDMI	Input HDMI test signal

1	12V/2A output jack. Outer diameter: 4mm, Inner needle: 1.65mm.
2	MICRO USB jack. It is used to connect with the computer host.
3	USB HOST extension interface
4	RS485 control output. It is used for PTZ control.
5	Analog video input BNC connector
6	Analog video output BNC connector
7	Fiber connector for optical power meter
8	Network port 1 (blue), with POE power supply output function.
9	Network port 2 (green), with POE power supply input detection function, which is also the device charging input port.
10	LED lighting (flashlight)

Signal generator / Camera test / HDMI signal test

DT-A86 HD Combine Tester

OSD italiano

Digital multimeter is a combination of varius electrical measuring instruments, with data recording function for later analysis

ONVIF test to discovering, acquiring and display the camera
Support PTZ control and configuration camera

Optical power meter of laser transmission, with calibration, data recording and saving report to eliminated intermittent problems
The wavelenght range covers 850 ~ 1625nm

WiFi /Air spectrum - WiFi Tools to detect and monitoring signal at 2.4/5.0Ghz frequency band

Cable TDR to test/measure lenght/connection of RJ45 cable
POE test

Accessories:

Carrying Bag

Multi Cable

AC/DC Adapter

YAPL-2+ OTDR Platform

SPECIFICHE	YAPL-2+
LCD	7 inch color LCD, multi-touch screen
Connector	FC / PC (850 / 1300 / 1310 / 1550), FC / APC (1625) interchangeable adapter or customize
Pulse Width	5 ns, 10 ns, 25 ns, 100 ns, 250 ns, 500 ns, 1 us, 2.5 us, 5 us, 10 us, 20 us
Attenuation Dead Zone	7.0 m
Event Dead Zone	1.5 m
Min. Distance Resolution	0.1 m
Loss Resolution	0.001
Distance Uncertainly (m)	± (0.8 + 0.005% * Testing Distance + Resolution)
OPM Function	+26 ~ -50 dBm, 850 / 1300 / 1310 / 1490 / 1550 / 1625 nm, FC or SC adapter
VFL Function	10 mW
Storage	> 10000 results (SOR or PDF)
Battery	7.4 V / 4.6 AH Rechargeable lithium-ion batteries
Size (HxWxD)	246.5mm x 173.5mm x 70 mm
Weight	About 1.55 kg
Storage Temperature	-20°C / +60°C, < 90% RH
Operating Temperature	-10°C / +50°C, < 90% RH

Main features:

- Built-in VFL and OPM
- 7 inch color LCD, Multi-touch screen
- Multi-wavelength testing and display
- User-friendly OTDR simulation software shows details of events
- Max. 5 wavelengths, 850 nm / 1300 nm / 1310 nm / 1550 nm / 1625 nm
- Input laser signal auto detection and self-protection function

EXTENDABLE OPTIONAL FUNCTIONS	
Function code	Function description
GPS	Display the longitude and latitude position outdoor
VIP	Display the surface of connector by video inspection probe
OLA	Multipulse test using a mix of short, medium and long pulses
TA	Triaxial accelerometer
TH	Hygrothermograph
WF	Wi-Fi
BT	Bluetooth

Accessories:

APL-2

Instruction CD (M700)

Calibration Certificate

AC Cable (ACC-700)

AC/DC Adapter (ADC-700)

Carrying Bag (CBG-700)

Optional:

FCU = FC/UPC
FCA = FC/A

SCU = SC/UPC
LCU = LC/UPC

LCU = LC/UPC

OTDR MODULE				
850 / 1300nm	AOR502M1	26 / 26dB	1.5 / 7m	5ns ~ 1 µ s / 5ns ~ 5 µ s
850 / 1300 / 1310 / 1550nm	AOR502A-M1	26 / 26 / 40 / 38db	MM: 1.5 / 7m SM: 1 / 6m	5ns ~ 1 µ s / 5ns ~ 5 µ s @ MM 5ns ~ 20 µ s @ SM

OPPM-800 - Power Meter

SPECIFICHE	OPPM-800
Generali	
Dimensions	165 x 80 x 40 mm (with TE-ADP-250 adapter)
Weight	240 g (with battery)
Operation Temperature	-10°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Humidity (non-condensating)	0% ~ 95%
Power Meter	
Detector	InGeAs
Detector Size	1 mm
Wavelength Range	850 nm ~ 1625 nm
Calibrated Wavelengths	850 / 1300 / 1310 / 1490 / 1550 / 1625 nm
Dynamic Range	-65 ~ +10 dBm
Uncertainty	± 5 % 1310 /1550 nm at -20 dBm
Resolution	0.01
Tone Detection	0.270 kHz / 1 kHz / 2 kHz
Auto Switching (AWD)	Yes
Data Storage	Up tp 3000
AWD /Modulation Detection	-50 / -45 dBm, 1300 / 1625 nm
Display Units	dBm, dB, W

The OPPM-800 is a part pf Optokon test equipment designed for through fiber line diagnostic. It is designed to measure absolute or relative optical power in optical networks. It can be used as portable power meter or as a USB probe. The changeable adaptor design allows the simple exchange of optical connectors according to actual need.

ACCESSORIES	
OP-ADP-FC	FC output adaptor
OP-ADP-LC	LC output adaptor
OP-ADP-SC	SC output adaptor
OP-ADP-250	2.5 mm universal adaptor
OP-ADP-125	1.25 mm universal adaptor
OP-HC-03	Rigid carrying case
OP-HP-27/NPC	High power probe, FC / APC connectors

Automatic Wavelength Detection
Automatic Wavelength Detection (AWD) Mode allows using Optokon Light source and Power meter without manually switching the measured wavelength and decreases the possibility of faulty measurement.

Cycle Mode
Cycle Mode allows the device to automatically toggle between available wavelengths.

Features:
- Standalone Power Meter
- InGaAs or Si photo detector
- CW, 270 Hz, 1 kHz, 2kHz Modulation
- Auto Wavelength Detection (AWD) Mode
- Changeable input adaptors
- Absolute and relative optical power measurement
- Cycle Mode
- USB probe mode
- Two levels high capacity memory

Standard accessories:
- Power Meter
- Universal 2.5 mm testing adaptor
- USB cable
- NiMH batteries
- Power charging adapter 220 5V AC / 5V DC
- Calibration certificate
- Hard carrying case
- Smart Protocol PC software
- Data Exporter PC software

Application:
- Link Loss Characterization
- Measurement of optical power
- Output power of transceivers
- Fiber Detection
- Continuous fiber testing
- Signal detection
- USB probe

Input adapters:


OP-ADP-FC (FC adaptor)


OP-ADP-LC (LC adaptor)


OP-ADP-SC (SC adaptor)


OP-ADP-250 (2.5 mm)


OP-ADP-125 (1.25 mm)

OPLS-800 - LIGHT SOURCE

The OPLS-800 is Optokon test equipment designed for thorough fiber line diagnostics.
The laser source is available in various wavelengths.
The model with one or two outputs with two light sources on each port provides a maximum of 4 wavelengths in one device.
The changeable adaptor design allows the simple exchange of optical connectors according to actual needs.

Automatic Wavelength Detection
Automatic Wavelength Detection (AWD) Mode enables to use the Optokon Light Source and Power Meter without manually switching the measured wavelength and prevents faulty measurement.

Cycle Mode
Cycle Mode allows the device to automatically toggle between available wavelengths.

Standard accessories:
- Light source
- FC adapter
- USB cable
- Calibration certificate
- Power charging adapter 220V AC / 5V DC
- Hard carrying case
- Rubble cover
- NiMH batteries

Application:
- Link Loss Characterization
- Fiber Detection
- Continuous fiber testing
- Visual fault locator

Features:
- Standalone light source
- Up to 4 channel light source
- Modulation CW, 270 Hz, 1 kHz, 2 kHz
- Auto Wavelength Detection mode
- Changeable output adaptors
- Auto Off feature
- Cycle mode

Output adapters:


OP-ADP-FC


OP-ALS-SC


OP-ALS-ST

TECHNICAL SPECIFICATIONS	OPLS-800
Generali	
Dimensions	165 x 80 x 40 mm (with OP-ASP-FC adapter)
Weight	340 g (with battery)
Operation Temperature	-10°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Humidity (non-condensating)	0% ~ 95%

TRANSMITTER SPECIFICATIONS				
Code marketing	Wavelength	Output Power	Stability	Note
LD650	650 nm	0 dBm	N/A	Visible light
LD850	850 nm	0 dBm	± 0.03 dB	Laser
LD31	1310 nm	0 dBm	± 0.05 dB	Laser
LD49	1490 nm	0 dBm	± 0.05 dB	Laser
LD55	1550 nm	0 dBm	± 0.05 dB	Laser
LD62	1625 nm	0 dBm	± 0.05 dB	Laser

ACCESSORIES	
OP-ALS-FC	FC output adaptor
OP-ALS-SC	SC output adaptor
OP-ALS-ST	ST output adaptor
OP-HC-03	Hard carrying case

STANDARD MODELS	
OPLS-800-P2-FC-LD850-30 / LD31-55	FC adaptor, Port 1: 850 nm + 1300 nm laser Port 2: 1310 nm + 1550 nm laser
OPLS-800-P2-FC-LD31	FC adaptor, Port 1: 1310 nm laser
OPLS-800-P2-SC-LD55	SC adaptor, Port 1: 1550 nm laser
OPLS-800-P2-SC-LD850-LD30 / LD31-55	SC adaptor, Port 1: 850 nm + 1300 nm laser Port 2: 1310 nm + 1550 nm laser

STK FK03

Kit con accessori per la pulizia fibra ottica. Ogni borsa in tessuto contiene:
- 2x flaconi di solvente per pulizia
- 1x mini vaschetta di CleanWipes ™ (conf. 90 pezzi)
- 1x confezione di CleanWipes™ (conf. 400 pezzi)
- 25x salviette CleanWipes™
- 50x tamponi CleanStixx™
- 1x torcia LED ad alta luminosità

STK POC03M, POC10M

POC03M - 85 g
POC10M - 280 g

Flacone di solvente per la pulizia di connettori fibra ottica. Asciugatura rapida.

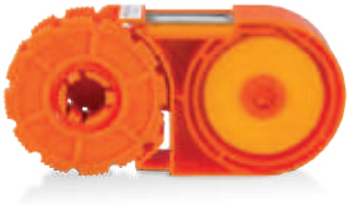
STK S25

Stick di pulizia per ghiere di 2,5 mm (SC, FC, ST, etc.). Confezione da 50 pezzi.

STK S12

Stick di pulizia per ghiere di 1,25 mm (LC). Confezione da 50 pezzi.

STK P25



Stick di pulizia per ghiere cilindriche e terminazioni esposte. Confezione da 50 pz.

STK WFW

Confezione da 400 salviette in poliestere per la pulizia di fibra ottica e connettori.

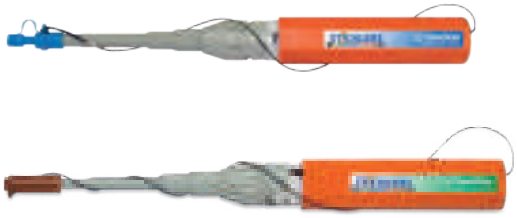
STK WCS100

Confezione da 90 adesivi ad alta resistenza per la pulizia di jumpers e bretelle.

STK DS147

General Purpose Economy Dust Remover.

STK CCU125, CCU250



SPECIFICHE	STK CCU125	STK CCU250
Ferrule Services	1.25 mm	2.5 mm
Label Colour Code	Green	Blue
Connector System Serviced	• LC/UPC • LC/APC • Hardened LC • MU/UPC • MU/APC • Some hardened 1.25 mm	• SC/UPC • SC/APC • ST • FC/APC • FC/UPC • E2000/UPC • E2000/APC • Some hardened 2.5 mm • OptiTip
Cleaning Capacity	750+ (Refillable)	

YTK3

FLARE Stripper per fibra a 3 fori professionale.

FS149

FLARE Stripper per fibra a 3 fori professionale.

FF143

FLARE Forbice taglia kevlar.

FC127

FLARE Utensile per sguainare e disarmare cavi.

FT121

FLARE Tronchesina a punta sottile.

FS111

Spela fibre assiale.

YTK11

Spela fibre assiale.

MOFCJ007

Termorestringente per fibra 45 mm. Imballo 100 pezzi.

MOFCJ009

Termorestringente per fibra 60 mm. Imballo 100 pezzi.

FRWBFCTRACK

Gancio per trazione su bussola FC/PC per bretelle preterminate FC/FC.

FS147

FLARE Mini Stripper per fibra a 3 fori professionale.

F700379

Utensile per rimozione armatura antiroditore su fibra monomodale serie FOFAL.

CONDOMINIO MULTISERVIZI - SOLUZIONI IN FIBRA OTTICA

DISTRIBUZIONE IN FIBRA OTTICA:

CEI 306-22 COMPLIANT

Digitale Terrestre
Digitale Satellitare
Collegamento Dati
Videocitofonia
Videosorveglianza
Canali TV Info Condominio

IMPIANTO IN FIBRA OTTICA REALIZZATO NELL'ANNO 2012

PESCARA - TORRI CAMUZZI

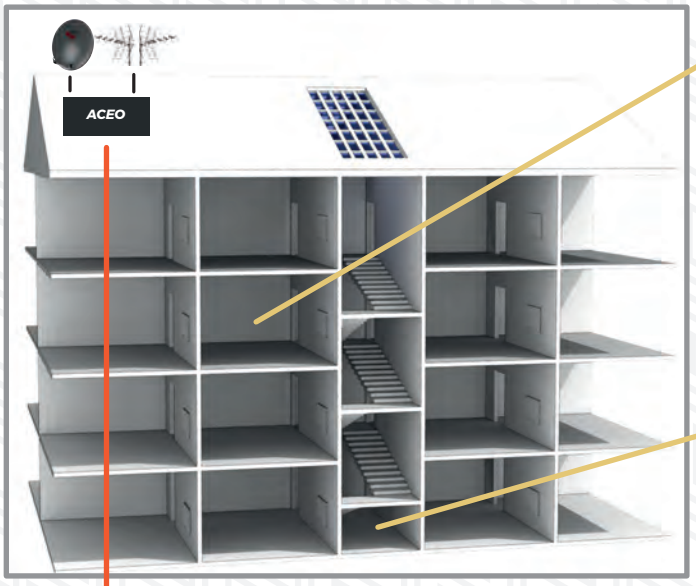
www.novatec-europe.com

NOVATEC EUROPE

Novatec Europe
Via F. Ferrucci 102-104, 59100 Prato (PO)
+39 055 350 155 | +39 327 998 9737
www.novatec-europe.com

DISTRIBUZIONE FIBRA OTTICA IN CONDOMINIO CEI 306-22

(ACEO Armadio Conversione Elettrico Ottico - TETTO)



APPARTAMENTI

La STOA (scatola di terminazione ottica di appartamento) viene usata all'interno delle abitazioni: installazione all'interno del MQDSA

LOCALE TECNICO

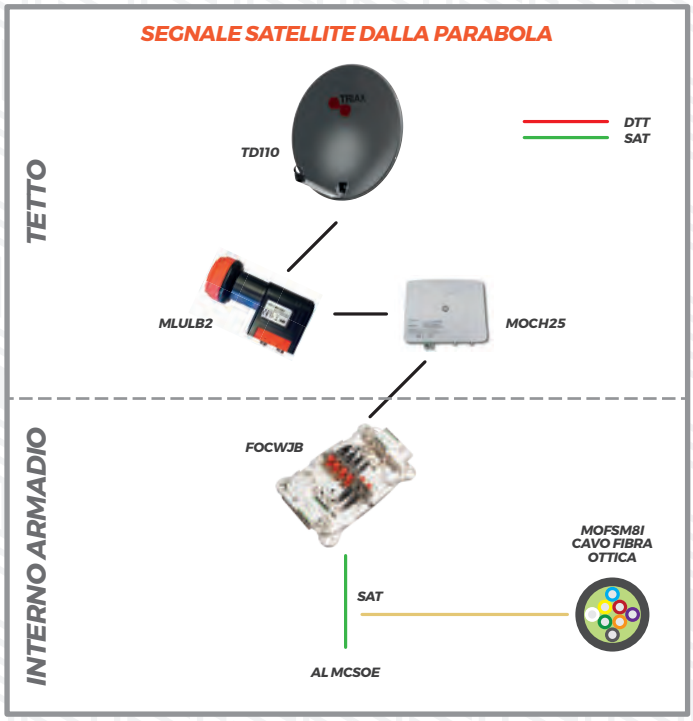
Nello scantinato o locale tecnico è presente il CSOE (Centro Servizio Ottico di Edificio) che connette le fibre provenienti da ogni STOA di appartamento alla fibra degli operatori.

TETTO

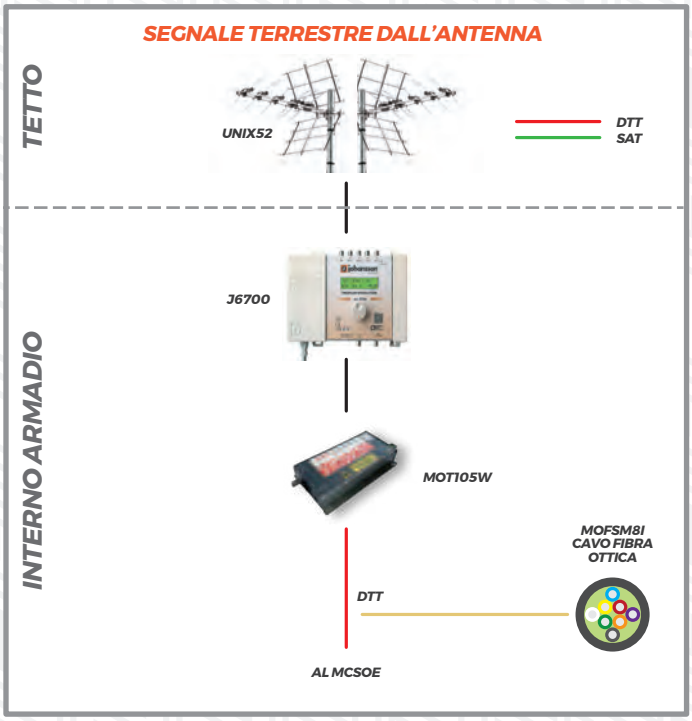
ACEO (Armadio Conversione Elettrico Ottica)

CEI 306-22 COMPLIANT

SEGNALE SATELLITE DALLA PARABOLA



SEGNALE TERRESTRE DALL'ANTENNA



SAT DTT

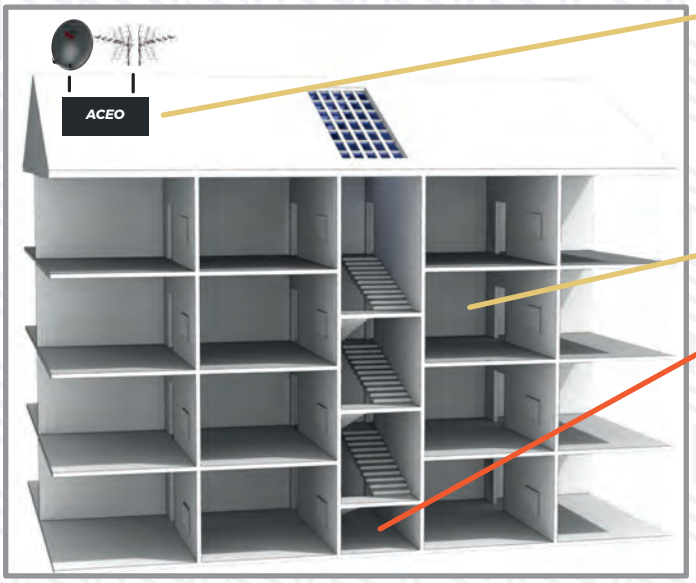
I DUE SEGNALI CONFLUISCONO IN UN SINGOLO CAVO FIBRA OTTICA MOFSM8I

www.novatec-europe.com

Novatec Europe
Via F. Ferrucci 102-104, 59100 Prato (PO)
+39 055 350 155 | +39 327 998 9737
www.novatec-europe.com

DISTRIBUZIONE FIBRA OTTICA IN CONDOMINIO CEI 306-22

(CSOE Centro Servizi Ottico di Edificio - LOCALE TECNICO)



TETTO

ACEO (Armadio Conversione Elettrico Ottica)

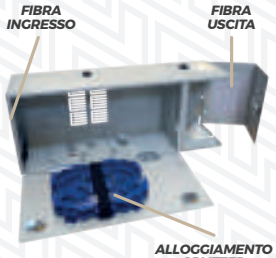
APPARTAMENTI

La STOA (scatola di terminazione ottica di appartamento) viene usata all'interno delle abitazioni: installazione all'interno del MQDSA

LOCALE TECNICO

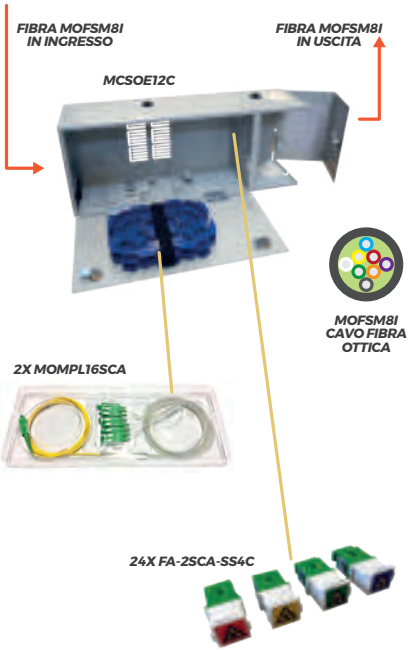
Nello scantinato o locale tecnico è presente il CSOE (Centro Servizio Ottico di Edificio) che connette le fibre provenienti da ogni STOA di appartamento alla fibra degli operatori.

MCSOE12C

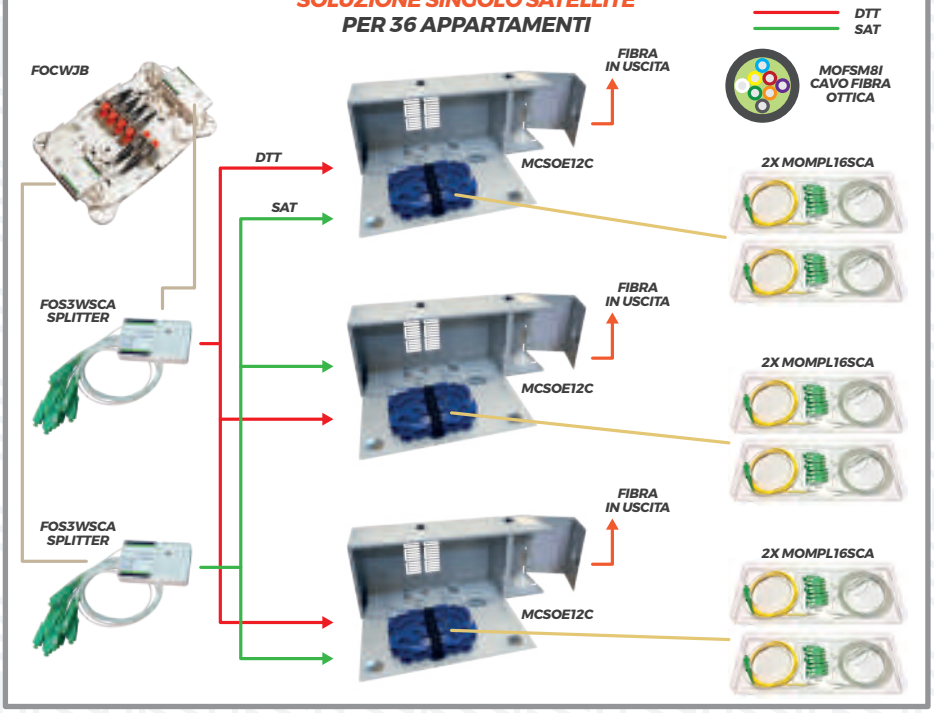


CEI 306-22 COMPLIANT

SOLUZIONE SINGOLO SATELLITE PER 12 APPARTAMENTI



SOLUZIONE SINGOLO SATELLITE PER 36 APPARTAMENTI



www.novatec-europe.com

NOVATEC EUROPE
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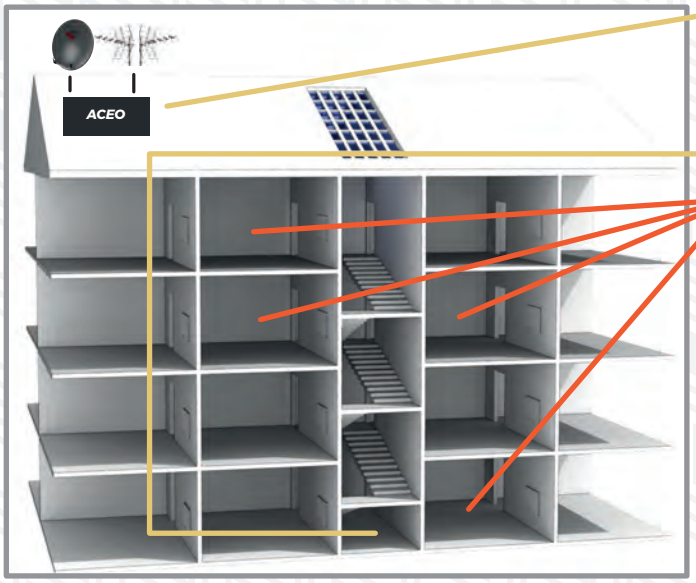
www.novatec-europe.com

DISTRIBUZIONE FIBRA OTTICA IN APPARTAMENTO CEI 306-22

(QDSA Quadro Distributore Segnali di Appartamento - ABITAZIONE)



TETTO

ACEO (Armadio Conversione Elettrico Ottica)

LOCALE TECNICO

Nello scantinato o locale tecnico è presente il CSOE (Centro Servizio Ottico di Edificio) che connette le fibre provenienti da ogni STOA di appartamento alla fibra degli operatori.

APPARTAMENTI

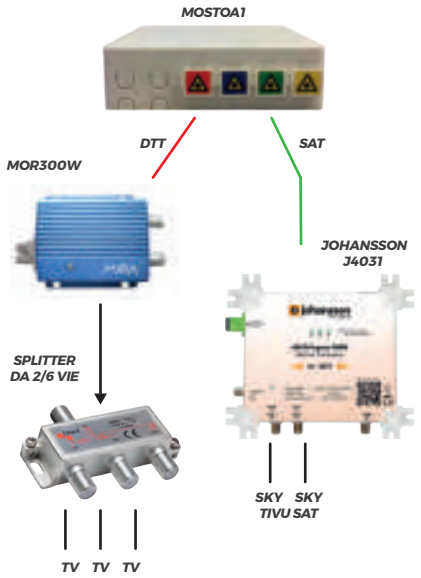
La STOA (scatola di terminazione ottica di appartamento) viene usata all'interno delle abitazioni: installazione all'interno del MQDSA

APPARTAMENTO

MQDSA-TS

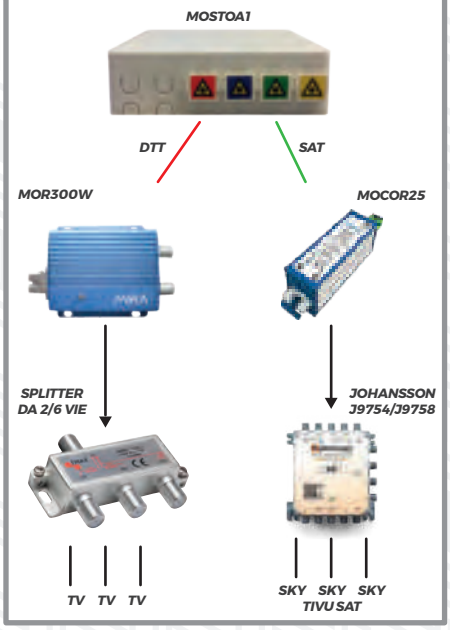
CEI 306-22 COMPLIANT

SOLUZIONE SINGOLO SATELLITE
4x DTT + 2x DECODER SKY Q
4x DECODER SAT SCR + 2x DECODER SAT



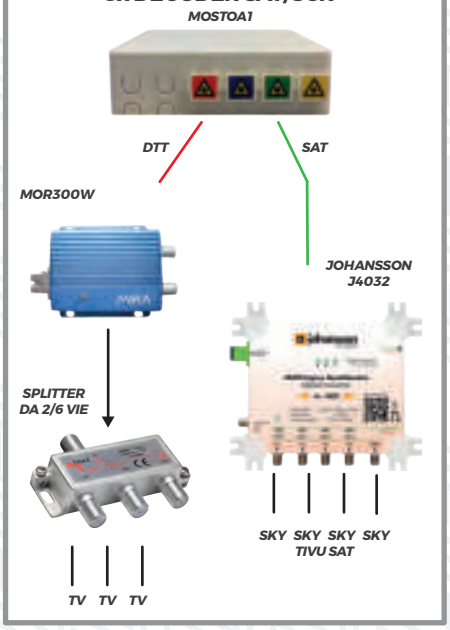
Compatibile con
SKY Q, SKY HD, MY SKY HD, TIVU SAT, FTA

SOLUZIONE SINGOLO SATELLITE
4x DTT + 8x DECODER SAT SCR/DCSS



Compatibile con
MY SKY HD, SKY HD, TIVU SAT, FTA

SOLUZIONE SINGOLO SATELLITE
4x DTT + 4x DECODER SAT/DCSS +
8x DECODER SAT/SCR



Compatibile con
MY SKY HD, SKY HD, TIVU SAT, FTA

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Fibra Ottica / Apparati Passivi
2021 - Q2

INDICE

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MCSOE/Splitter/coupler

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Patch cord fibra ottica multi mode

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Connettori a saldare

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Adattatori per MCSOE

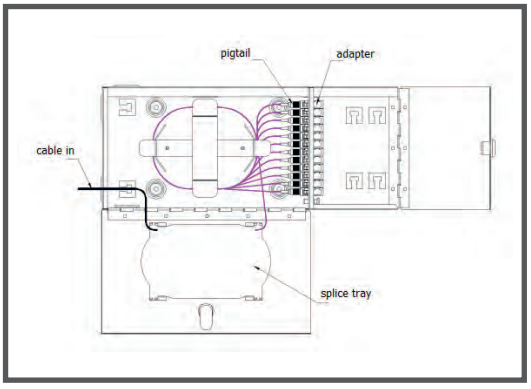
P32
Bussole e adattatori per fibra ottica

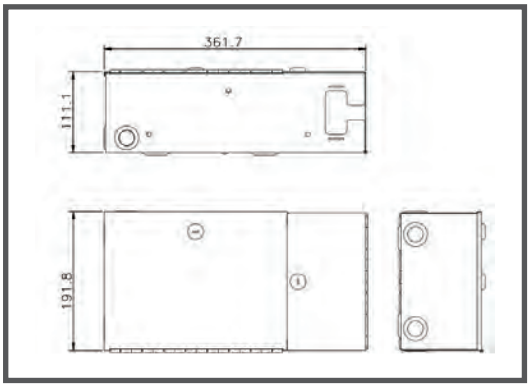
P34
Patch panel modulari per fibra ottica

P35
Contenitori per fibra ottica

P40
Cavi fibra ottica

MCSOE12C / MCSOE8C - Centro stella ottico edificio

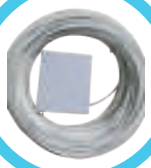




Caratteristiche:
- MCOSE12C Cablato x 12 unità immobiliari;
- doppia apertura con chiusura a chiave;
- 2 x 16 vie splitter + 48 adattatori SC/APC.

Caratteristiche:
- MCOSE8C Cablato x 8 unità immobiliari;
- doppia apertura con chiusura a chiave;
- 2 x 8 vie splitter + 32 adattatori SC/APC.

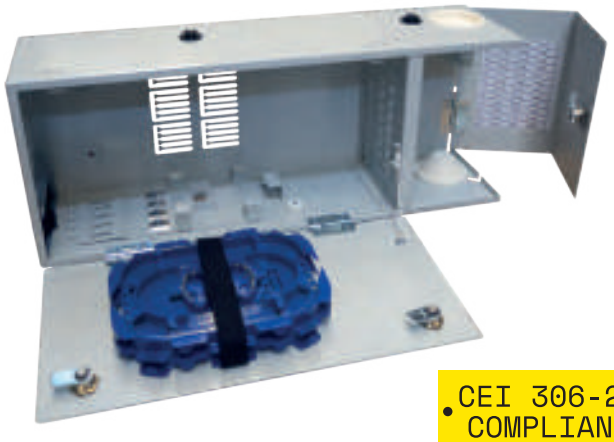
CEI 306-22 COMPLIANT



PRODOTTO CORRELATO: FP4SCAxx

PRODOTTI CORRELATI: MOSTOA1 MOSTOA8 MOSTOA12DIN

MCSOE



CEI 306-22 COMPLIANT

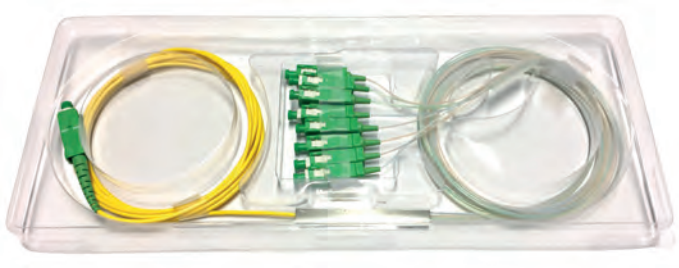
PRODOTTO CORRELATO: FOCWJB

Contenitore CSOE di distribuzione a parete, doppia apertura con chiusura a chiave, pronto per 48 Adattatori SC/APC /SC/APC. Dimensioni: 441 x 172 x 113 mm.

MOR-WDM A, MOR-WDM B

ACCOPPIATORI SINGLE MODE	
MOR-WDM A	Accoppiatore SM, 2 ingressi: 1310nm FC/PC / 1550nm SC/APC, uscita FC/PC
MOR-WDM B	Accoppiatore SM, 2 ingressi: 1310nm FC/PC - 1490+1550nm SC/APC, uscita FC/PC

SPLITTER PLC SC/APC - FC/PC



CEI 306-22
COMPLIANT

SPLITTER PLC – SC/APC	
MOMPL2SCA	Splitter PLC 1x2, Mini Module, tubo in acciaio, 0.9mm, 1 metro, SC/APC
MOMPL4SCA	Splitter PLC 1x4, Mini Module, tubo in acciaio, 0.9mm, 1 metro, SC/APC
MOMPL8SCA	Splitter PLC 1x8, Mini Module, tubo in acciaio, 0.9mm, 1 metro, SC/APC
MOMPL16SCA	Splitter PLC 1x16, Mini Module, tubo in acciaio, 0.9mm, 1 metro, SC/APC
MOMPL32SCA	Splitter PLC 1x32, Mini Module, tubo in acciaio, 0.9mm, 1 metro, SC/APC
MOMPL64SCA	Splitter PLC 1x64, Mini Module, tubo in acciaio, 0.9mm, 1 metro, SC/APC
MOMPL2FC	Splitter PLC 1x2, Mini Module, tubo in acciaio, 0.9mm, 1 metro, FC/PC
MOMPL4FC	Splitter PLC 1x4, Mini Module, tubo in acciaio, 0.9mm, 1 metro, FC/PC
MOMPL8FC	Splitter PLC 1x8, Mini Module, tubo in acciaio, 0.9mm, 1 metro, FC/PC
MOMPL16FC	Splitter PLC 1x16, Mini Module, tubo in acciaio, 0.9mm, 1 metro, FC/PC
MOMPL32FC	Splitter PLC 1x32, Mini Module, tubo in acciaio, 0.9mm, 1 metro, FC/PC
MOMPL64FC	Splitter PLC 1x64, Mini Module, tubo in acciaio, 0.9mm, 1 metro, FC/PC

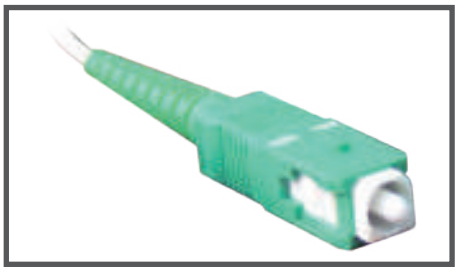
PARAMETERS	1X2	1X4	1X8	1X16	1X32	1X64
OPERATING WAVELENGTH (nm)	1260~1650					
FIBER TYPE	G657A1 OR COSTUMER SPECIFIED					
INSERTION LOSS (dB) (P/S Grade)	3.8	7.1	10.2	13.7	16.9	21.0
LOSS UNIFORMITY (dB)	0.4	0.6	0.8	1.2	1.5	2.0
POLARIZATION DEPENDENT LOSS (dB)	0.2	0.2	0.2	0.25	0.3	0.35
RETURN LOSS (dB) (P/S Grade)	55/50	55/50	55/50	55/50	55/50	55/50
DIRECTIVITY (dB)	55	55	55	55	55	55
WAVELENGTH DEPENDENT LOSS (dB)	0.3	0.3	0.3	0.5	0.5	0.5
TEMPERATURE STABILITY (-40~85°C) (dB)	0.4	0.4	0.4	0.5	0.5	0.5
OPERATING TEMPERATURE (°C)	-40~85					
STORAGE TEMPERATURE (°C)	-40~85					
DEVICE DIMENSION (mm)	40x4x4			50x4x4	50x7x4	60x12x4
ABS MODULE DIMENSION (mm)	100x80x10			120x80x18	120x80x18	140x115x18
STEEL TUBE DIMENSION (mm)	60x7x4			60x12x4	80x20x6	100x40x6

1. Specified without connectors.
2. Add an additional 0.15dB loss per connector.

Splitter Single Mode, connettore SC-APC

SPLITTER SINGLE MODE / SC-APC	
FOS2WSCA	DW splitter 2 vie SM, con 30 cm preterminati SC-APC, 3.90dB
FOS3WSCA	DW splitter 3 vie SM, con 30 cm preterminati SC-APC, 6.50dB
FOS4WSCA	DW splitter 4 vie SM, con 30 cm preterminati SC-APC, 7.20dB
FOS5WSCA	DW splitter 5 vie SM, con 30 cm preterminati SC-APC, 8.70dB
FOS6WSCA	DW splitter 6 vie SM, con 30 cm preterminati SC-APC, 11.60dB
FOS7WSCA	DW splitter 7 vie SM, con 30 cm preterminati SC-APC, 12.20dB
FOS8WSCA	DW splitter 8 vie SM, con 30 cm preterminati SC-APC, 12.90dB

Coupler Single Mode preterminati SC-APC



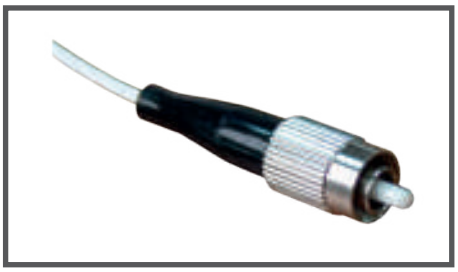
CEI 306-22
COMPLIANT

COUPLER SINGLE MODE / SC-APC	
FOC951X5SCA	Coupler SM 1 via 95/5, conn. SC-APC, uscita ≤ 0.70dB, ≤ 15.70dB
FOC901X10SCA	Coupler SM 1 via 95/10, conn. SC-APC, uscita ≤ 0.95dB, ≤ 12.30dB
FOC801X20SCA	Coupler SM 1 via 80/20, conn. SC-APC, uscita ≤ 1.65dB, ≤ 8.60dB
FOC701X30SCA	Coupler SM 1 via 70/30, conn. SC-APC, uscita ≤ 2.35dB, ≤ 6.50dB
FOC651X35SCA	Coupler SM 1 via 70/30, conn. SC-APC, uscita ≤ 2.55dB, ≤ 5.60dB
FOC902X5SCA	Coupler SM 2 vie 95/5/5, conn. SC-APC, uscita ≤ 0.95dB, 2x ≤ 15.70dB
FOC802X10SCA	Coupler SM 2 vie 80/10/10, conn. SC-APC, uscita ≤ 1.65dB, 2x ≤ 12.30dB
FOC702X15SCA	Coupler SM 2 vie 70/15/15, conn. SC-APC, uscita ≤ 2.35dB, 2x ≤ 9.90dB
FOC602X20SCA	Coupler SM 2 vie 60/20/20, conn. SC-APC, uscita ≤ 3.15dB, 2x ≤ 8.60dB
FOC502X25SCA	Coupler SM 2 vie 50/25/25, conn. SC-APC, uscita ≤ 3.95dB, 2x ≤ 7.20dB
FOC804X5SCA	Coupler SM 4 via 70/7.5/7.5/7.5/7.5, conn. SC-APC, usc. ≤ 1.65dB, 4x ≤ 15.80dB
FOC604X10SCA	Coupler SM 4 via 70/10/10/10/10, conn. SC-APC, usc. ≤ 3.25dB, 4x ≤ 12.50dB
FOC504X12SCA	Coupler SM 4 via 50/12.5/12.5/12.5/12.5, conn. SC-APC, usc. ≤ 3.95dB, 4x ≤ 11.90dB

Splitter Single Mode, connettore FC-PC

SPLITTER SINGLE MODE / FC-PC	
FOS2WFC	DW splitter 2 vie SM, con 30 cm preterminati FC-PC, 3.90dB
FOS3WFC	DW splitter 3 vie SM, con 30 cm preterminati FC-PC, 6.50dB
FOS4WFC	DW splitter 4 vie SM, con 30 cm preterminati FC-PC, 7.20dB
FOS5WFC	DW splitter 5 vie SM, con 30 cm preterminati FC-PC, 8.70dB
FOS6WFC	DW splitter 6 vie SM, con 30 cm preterminati FC-PC, 11.60dB
FOS7WFC	DW splitter 7 vie SM, con 30 cm preterminati FC-PC, 12.20dB
FOS8WFC	DW splitter 8 vie SM, con 30 cm preterminati FC-PC, 12.90dB

Coupler Single Mode preterminati FC-PC



COUPLER SINGLE MODE / FC-PC	
FOC951X5FC	Coupler SM 1 via 95/5, conn. FC-PC, uscita ≤ 0.70dB, ≤ 15.70dB
FOC901X10FC	Coupler SM 1 via 95/10, conn. FC-PC, uscita ≤ 0.95dB, ≤ 12.30dB
FOC801X20FC	Coupler SM 1 via 80/20, conn. FC-PC, uscita ≤ 1.65dB, ≤ 8.60dB
FOC701X30FC	Coupler SM 1 via 70/30, conn. FC-PC, uscita ≤ 2.35dB, ≤ 6.50dB
FOC651X35FC	Coupler SM 1 via 70/30, conn. FC-PC, uscita ≤ 2.55dB, ≤ 5.60dB
FOC902X5FC	Coupler SM 2 vie 95/5/5, conn. FC-PC, uscita ≤ 0.95dB, 2x ≤ 15.70dB
FOC802X10FC	Coupler SM 2 vie 80/10/10, conn. FC-PC, uscita ≤ 1.65dB, 2x ≤ 12.30dB
FOC702X15FC	Coupler SM 2 vie 70/15/15, conn. FC-PC, uscita ≤ 2.35dB, 2x ≤ 9.90dB
FOC602X20FC	Coupler SM 2 vie 60/20/20, conn. FC-PC, uscita ≤ 3.15dB, 2x ≤ 8.60dB
FOC502X25FC	Coupler SM 2 vie 50/25/25, conn. FC-PC, uscita ≤ 3.95dB, 2x ≤ 7.20dB
FOC804X5FC	Coupler SM 4 via 80/5/5/5/5, conn. FC-PC, uscita ≤1.65dB, 4x ≤15.80dB
FOC704X7FC	Coupler SM 4 via 70/7.5/7.5/7.5/7.5, conn. FC-PC, usc. ≤ 1.65dB, 4x ≤15.80dB
FOC604X10FC	Coupler SM 4 via 70/10/10/10/10, conn. FC-PC, usc. ≤ 3.25dB, 4x ≤12.50dB
FOC504X12FC	Coupler SM 4 via 50/12.5/12.5/12.5/12.5, conn. FC-PC, usc. ≤ 3.95dB, 4x ≤11.90dB

FOCWJB

Contenitore slim da parete per splitter / coupler serie CQT / FOS / FOC, utlizzabile per connessione TV -SAT massima di 5 CSOE.

Splitter Single Mode, non terminati

SPLITTER SINGLE MODE / NON TERMINATI	
FOS2W	DW splitter 2 way SM, 3.90dB
FOS3W	DW splitter 3 way SM, 6.50dB
FOS4W	DW splitter 4 way SM, 7.20dB
FOS5W	DW splitter 5 way SM, 8.70dB
FOS6W	DW splitter 6 way SM, 11.60dB
FOS7W	DW splitter 7 way SM, 12.20dB
FOS8W	DW splitter 8 way SM, 12.90dB

Coupler Single Mode, non terminati

COUPLER SINGLE MODE / NON TERMINATI	
FOC951X5FC	Coupler SM 1 via 95/5, uscita ≤ 0.70dB, ≤ 15.70dB
FOC901X10FC	Coupler SM 1 via 95/10, uscita ≤ 0.95dB, ≤ 12.30dB
FOC801X20FC	Coupler SM 1 via 80/20, uscita ≤ 1.65dB, ≤ 8.60dB
FOC701X30FC	Coupler SM 1 via 70/30, uscita ≤ 2.35dB, ≤ 6.50dB
FOC651X35FC	Coupler SM 1 via 70/30, uscita ≤ 2.55dB, ≤ 5.60dB
FOC902X5FC	Coupler SM 2 vie 95/5/5, uscita ≤ 0.95dB, 2x ≤ 15.70dB
FOC802X10FC	Coupler SM 2 vie 80/10/10, uscita ≤ 1.65dB, 2x ≤ 12.30dB
FOC702X15FC	Coupler SM 2 vie 70/15/15, uscita ≤ 2.35dB, 2x ≤ 9.90dB
FOC602X20FC	Coupler SM 2 vie 60/20/20, uscita ≤ 3.15dB, 2x ≤ 8.60dB
FOC502X25FC	Coupler SM 2 vie 50/25/25, uscita ≤ 3.95dB, 2x ≤ 7.20dB
FOC804X5FC	Coupler SM 4 via 80/5/5/5/5, uscita ≤ 1.65dB, 4x ≤ 15.80dB
FOC704X7FC	Coupler SM 4 via 70/7.5/7.5/7.5/7.5, uscita ≤ 1.65dB, 4x ≤ 15.80dB
FOC604X10FC	Coupler SM 4 via 70/10/10/10/10, uscita ≤ 3.25dB, 4x ≤ 12.50dB
FOC504X12FC	Coupler SM 4 via 50/12.5/12.5/12.5/12.5, uscita ≤ 3.95dB, 4x ≤ 11.90dB

Splitter Single Mode, connettore 5M-PC

SPLITTER SINGLE MODE / 5M-PC	
FOS2W5M	DW splitter 2 vie SM, con 30 cm preterminati 5M-PC, 3.90dB
FOS3W5M	DW splitter 3 vie SM, con 30 cm preterminati 5M-PC, 6.50dB
FOS4W5M	DW splitter 4 vie SM, con 30 cm preterminati 5M-PC, 7.20dB
FOS5W5M	DW splitter 5 vie SM, con 30 cm preterminati 5M-PC, 8.70dB
FOS6W5M	DW splitter 6 vie SM, con 30 cm preterminati 5M-PC, 11.60dB
FOS7W5M	DW splitter 7 vie SM, con 30 cm preterminati 5M-PC, 12.20dB
FOS8W5M	DW splitter 8 vie SM, con 30 cm preterminati 5M-PC, 12.90dB

Coupler Single Mode preterminati 5M-PC

COUPLER SINGLE MODE / 5M-PC	
FOC951X5-5M	Coupler SM 1 via 95/5, conn. 5M-PC, uscita ≤ 0.70dB, ≤ 15.70dB
FOC901X10-5M	Coupler SM 1 via 95/10, conn. 5M-PC, uscita ≤ 0.95dB, ≤ 12.30dB
FOC801X20-5M	Coupler SM 1 via 80/20, conn. 5M-PC, uscita ≤ 1.65dB, ≤ 8.60dB
FOC701X30-5M	Coupler SM 1 via 70/30, conn. 5M-PC, uscita ≤ 2.35dB, ≤ 6.50dB
FOC651X35-5M	Coupler SM 1 via 70/30, conn. 5M-PC, uscita ≤ 2.55dB, ≤ 5.60dB
FOC902X5-5M	Coupler SM 2 vie 95/5/5, conn. 5M-PC, uscita ≤ 0.95dB, 2x ≤15.70dB
FOC802X10-5M	Coupler SM 2 vie 80/10/10, conn. 5M-PC, uscita ≤1.65dB, 2x ≤ 12.30dB
FOC702X15-5M	Coupler SM 2 vie 70/15/15, conn. 5M-PC, uscita ≤2.35dB, 2x ≤9.90dB
FOC602X20-5M	Coupler SM 2 vie 60/20/20, conn. 5M-PC, uscita ≤ 3.15dB, 2x ≤8.60dB
FOC502X25-5M	Coupler SM 2 vie 50/25/25, conn. 5M-PC, uscita ≤ 3.95dB, 2x ≤7.20dB
FOC804X5-5M	Coupler SM 4 via 80/5/5/5/5, conn. 5M-PC, uscita ≤ 1.65dB, 4x ≤15.80dB
FOC704X7-5M	Coupler SM 4 via 70/7.5/7.5/7.5/7.5, conn. 5M-PC, usc. ≤ 1.65dB, 4x ≤15.80dB
FOC604X10-5M	Coupler SM 4 via 70/10/10/10/10, conn. 5M-PC, uscita ≤ 3.25dB, 4x ≤12.50dB
FOC504X12-5M	Coupler SM 4 via 50/12.5/12.5/12.5/12.5, conn. 5M-PC, usc. ≤ 3.95dB, 4x ≤11.90dB

Splitter ottici connettore FC femmina

SPLITTER OTTICI CONNETTORE FC FEMMINA	
FRWFOS2WBSFC	Splitter ottico DW a 2 vie, connettore tipo FC femmina
FRWFOS3WBSFC	Splitter ottico DW a 3 vie, connettore tipo FC femmina
FRWFOS4WBSFC	Splitter ottico DW a 4 vie, connettore tipo FC femmina
FRWFOS5WBSFC	Splitter ottico DW a 5 vie, connettore tipo FC femmina
FRWFOSBC90FC	Splitter ottico DW a 2 vie 90/10, connettore tipo FC femmina
FRWFOSBC80FC	Splitter ottico DW a 2 vie 80/20, connettore tipo FC femmina
FRWFOSBC70FC	Splitter ottico DW a 2 vie 70/30, connettore tipo FC femmina

Splitter / coupler preterminati FC

SPLITTER COUPLER PRETERMINATI FC	
FRWFOS2WSFC	Splitter ottico DW a 2 vie, 50cm fibra preterminata FC
FRWFOS3WSFC	Splitter Ottico DW a 3 Vie, 50cm fibra preterminata FC
FRWFOS4WSFC	Splitter Ottico DW a 4 Vie, 50cm fibra preterminata FC
FRWFOS5WSFC	Splitter Ottico DW a 5 Vie, 50cm fibra preterminata FC
FRWFOS6WSFC	Splitter Ottico DW a 6 Vie, 50cm fibra preterminata FC
FRWFOS8WSFC	Splitter Ottico DW a 8 Vie, 50cm fibra preterminata FC
FRWFOSNC9010FC	Coupler Ottico DW a 2 Vie 90/10 con 50cm fibra preterminata FC
FRWFOSNC8020FC	Coupler Ottico DW a 2 Vie 80/20, 50cm fibra preterminata FC
FRWFOSNC7030FC	Coupler Ottico DW a 2 Vie 70/30, 50cm fibra preterminata FC
FRWFOSNC6040FC	Coupler Ottico DW a 2 Vie 60/40, 50cm fibra preterminata FC
FRWFOSC8515FC	Coupler Ottico DW a 4 Vie 85/5/5/5, 50cm fibra preterminata FC
FRWFOSC7030FC	Coupler Ottico DW a 4 Vie 70/10/10/10, 50cm fibra preterminata FC
FRWFOSC5545FC	Coupler Ottico DW a 4 Vie 55/15/15/15, 50cm fibra preterminata FC
FRWFOSC1090FC	Coupler Ottico DW a 4 Vie 10/30/30/30, 50cm fibra preterminata FC

Bretelle ottiche Single Mode LSZH a doppia armatura, preterminate FC/FC (G6529)

BRETELLE DOPPIA ARMATURA / FC-FC	
FOFAL001FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 1 metri
FOFAL003FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 3 metri
FOFAL005FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 5 metri
FOFAL010FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 10 metri
FOFAL015FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 15 metri
FOFAL020FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 20 metri
FOFAL025FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 25 metri
FOFAL030FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 30 metri
FOFAL040FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 40 metri
FOFAL050FC	Bretella bianca LSZH SM doppia armatura, preterminata FC/FC, 50 metri
FOFAL075FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 75 metri
FOFAL100FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 100 metri
FOFAL150FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 150 metri
FOFAL200FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 200 metri
FOFAL250FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 250 metri
FOFAL300FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 300 metri
FOFAL350FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 350 metri
FOFAL400FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 400 metri
FOFAL450FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 450 metri
FOFAL500FC	Bretella bianca SM LSZH doppia armatura, preterminata FC/FC, 500 metri

Kit assemblato STOA Single Mode 4 Fibre

CEI 306-22 COMPLIANT

KIT ASSEMBLATO STOA + FIBRA 4 CORE LSZH SINGLE MODE 9/125 COLORE BIANCO	
FP4SCA15	Kit preassemblato STOA + 15mt Fibra G657A2 con anello in Kevlar per trazione
FP4SCA30	Kit preassemblato STOA + 30mt Fibra G657A2 con anello in Kevlar per trazione
FP4SCA40	Kit preassemblato STOA + 40mt Fibra G657A2 con anello in Kevlar per trazione
FP4SCA50	Kit preassemblato STOA + 50mt Fibra G657A2 con anello in Kevlar per trazione
FP4SCA70	Kit preassemblato STOA + 70mt Fibra G657A2 con anello in Kevlar per trazione

Fibra con STOA collegata

Kevlar per trazione

Bretelle ottiche doppia armatura Single Mode SC/APC

CEI 306-22 COMPLIANT

BRETELLE DOPPIA ARMATURA / SC-APC	
FOFAL 001SCA	Bretella Single Mode LSZH doppia armatura preterminata Colore Bianco SC/APC Mt. 1
FOFAL 003SCA	Bretella Single Mode LSZH doppia armatura preterminata Colore Bianco SC/APC Mt. 3
FOFAL 005SCA	Bretella Single Mode LSZH doppia armatura preterminata Colore Bianco SC/APC Mt. 5
FOFAL 010SCA	Bretella Single Mode LSZH doppia armatura preterminata Colore Bianco SC/APC Mt. 10
FOFAL 015SCA	Bretella Single Mode LSZH doppia armatura preterminata Colore Bianco SC/APC Mt. 15
FOFAL 025SCA	Bretella Single Mode LSZH doppia armatura preterminata Colore Bianco SC/APC Mt. 25
FOFAL 040SCA	Bretella Single Mode LSZH doppia armatura preterminata Colore Bianco SC/APC Mt. 40
FOFAL 075SCA	Bretella Single Mode LSZH doppia armatura preterminata Colore Bianco SC/APC Mt. 75
FOFAL 100SCA	Bretella Single Mode LSZH doppia armatura preterminata Colore Bianco SC/APC Mt. 100

Bretelle ottiche LSZH armate, preterminate LC/LC OM4 duplex

BRETELLE DOPPIA ARMATURA / LC-LC OM4 DUPLEX	
FOFALM4100DLC	Bretella Duplex 50/125 LSZH armata preterminata LC/LC, 100 metri
FOFALM4150DLC	Bretella Duplex 50/125 LSZH armata preterminata LC/LC, 150 metri
FOFALM4250DLC	Bretella Duplex 50/125 LSZH armata preterminata LC/LC, 200 metri

FA-5MP-SS

Bussola adattatrice per bretelle preterminate 5M.

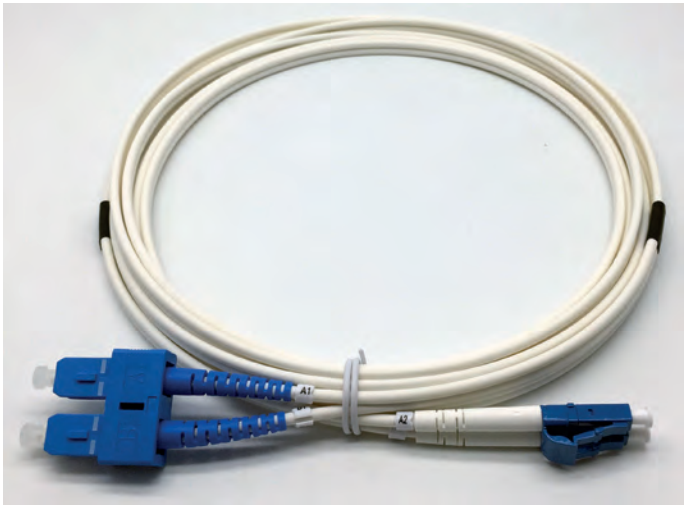
FAK-5MP-TR

Gancio di trazione per bretelle preterminate 5M.

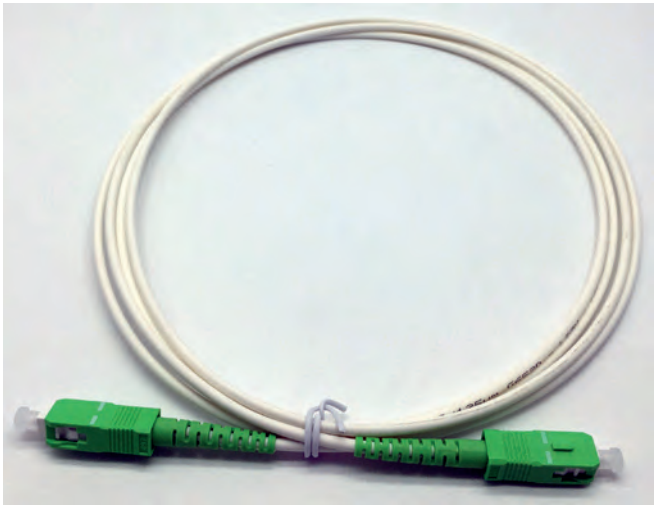
FRWBFCTRACK

Gancio per trazione su bussola FC/PC per bretelle preterminate FC/FC.

Patch Cord fibra ottica - Single Mode



FPLCSC2S2HD



FPSCASCA3S3LS

Nota: le foto dei prodotti sono di esempio. Colori e connettori personalizzabili a richiesta

PATCH CORD FIBRA OTTICA SINGLE MODE	
FPFCSCA1S3LS	Patchord 9/125 G657-A2 FC/PC - SC/APC Simplex Mt 1
FPFCSCA3S3LS	Patchord 9/125 G657-A2 FC/PC - SC/APC Simplex Mt 3
FPSCASCA1S3LS	Patchord 9/125 G657-A2 SC/APC - SC/APC Simplex Mt 1
FPSCASCA3S3LS	Patchord 9/125 G657-A2 SC/APC - SC/APC Simplex Mt 3
FPSCSCA1S3LS	Patchord 9/125 G657-A2 SC/PC- SC/APC Simplex Mt 1
FPSCSCA3S3LS	Patchord 9/125 G657-A2 SC/PC- SC/APC Simplex Mt 3
FPFCLC3S3HS	Patchord 9/125 G657 FC/PC - LC/PC Simplex Mt.3
FPFCSC1S3HS	Patchord 9/125 G657 FC/PC - SC/PC Simplex Mt.1
FPFCSC3S3HS	Patchord 9/125 G657 FC/PC - SC/PC Simplex Mt.3
FPLCSC1S3HS	Patchord 9/125 G657 LC/PC - SC/PC Simplex Mt.1
FPLCLC3S3HS	Patchord 9/125 G657 LC/PC - LC/PC Simplex Mt.3
FPLCSC3S3HS	Patchord 9/125 G657 LC/PC - SC/PC Simplex Mt.3
FPSCSC1S3HS	Patchord 9/125 G657 SC/PC - SC/PC Simplex Mt.1
FPSCSC3S3HS	Patchord 9/125 G657 SC/PC - SC/PC Simplex Mt.3
FPSCSC5S3HS	Patchord 9/125 G657 SC/PC - SC/PC Simplex Mt.5
FPLCALCA3S3HS	Patchord 9/125 G657 LC/APC - LC/APC Simplex Mt 3
FPLCASCA3S3HS	Patchord 9/125 G657 LC/APC - SC/APC Simplex Mt 3
FPLCAFCA3S3HS	Patchord 9/125 G657 LC/APC - FC/APC Simplex Mt 3
FPFCSCA3S3ES	Patchord 9/125 G652 FC/PC - SC/APC Simplex Mt 3
FPFCST3S3ES	Patchord 9/125 G652 FC/PC - ST/PC Simplex Mt 3
FPSCST3S3ES	Patchord 9/125 G652 FC/PC - ST/PC Simplex Mt 3
FPLCLC3S3HD	Patchord 9/125 LC/PC - LC/PC Duplex Mt.3 SM G657
FPLCSC3S3HD	Patchord 9/125 LC/PC - SC/PC Duplex Mt.3 SM G657
FPSCSC3S3HS	Patchord 9/125 SC/PC - SC/PC Duplex Mt.3 SM G657
FPSCSC5S3HD	Patchord 9/125 SC/PC - SC/PC Duplex Mt.5 SM G657

Patch Cord: la lettera del connettore segue l'ordine alfabetico.

Pre Cod.	Connettore 1	Connettore 2	Metri	S = Single Mode M = Multi Mode	Ø in millimetri	Tipo fibra	S = Simplex D = Duplex	O = Armata x esterno B = Armata x interramento = da interno LSZH
FP	FC	SC	1	S	2	E	S	
	FC	SCA	1	M	3		D	B
	LC	SC						
	SC	ST						

Metri
1
2
3
5
10
15
20
25

Tipo fibra
E = G652
H = G657
L = G657-A2
Z = OM1
P = OM2
R = OM3
Q = OM4

Patch Cord fibra ottica - Multi Mode

FPLCSC3M2RD

FPSCSC3M3RD

Nota: le foto dei prodotti sono di esempio. Colori e connettori personalizzabili a richiesta

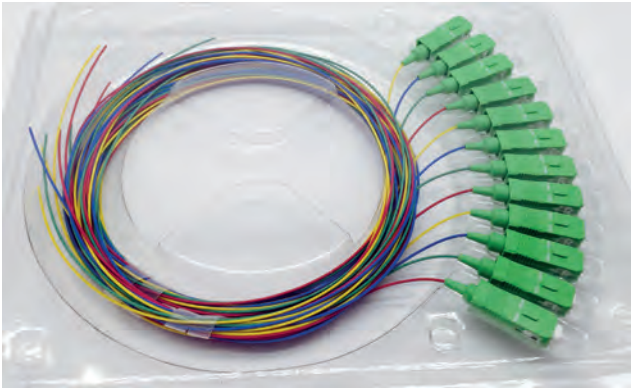
PATCH CORD FIBRA OTTICA MULTI MODE	
FPLCLC3M3ZS	Patchord 62,5/125 LC/PC - LC/PC Simplex Mt.3
FPLCST3M3ZS	Patchord 62,5/125 LC/PC - ST/PC Simplex Mt.3
FPLCSC3M3ZS	Patchord 62,5/125 LC/PC - SC/PC Simplex Mt.3
FPSCSC3M3ZS	Patchord 62,5/125 SC/PC - SC/PC Simplex Mt.3
FPSCSC5M3ZS	Patchord 62,5/125 SC/PC - SC/PC Simplex Mt.5
FPSCST3M3ZS	Patchord 62,5/125 SC/PC - ST/PC Simplex Mt.3
FPSTST3M3ZS	Patchord 62,5/125 ST/PC - ST/PC Simplex Mt.3
FPSTST5M3ZS	Patchord 62,5/125 ST/PC - ST/PC Simplex Mt.5
FPLCLC1M3PS	Patchord 50/125 OM2 LC/PC - LC/PC Simplex Mt.1
FPLCLC3M3PS	Patchord 50/125 OM2 LC/PC - LC/PC Simplex Mt.3
FPLCSC3M3PS	Patchord 50/125 OM2 LC/PC - SC/PC Simplex Mt.3
FPLCSC5M3PS	Patchord 50/125 OM2 LC/PC - SC/PC Simplex Mt.5
FPSCSC3M3PS	Patchord 50/125 OM2 SC/PC - SC/PC Simplex Mt.3
FPSCSC5M3PS	Patchord 50/125 OM2 SC-PC - SC/PC Simplex Mt.5
FPLCST3M3PS	Patchord 50/125 OM2 LC/PC - ST/PC Simplex Mt.3
FPSCST3M3PS	Patchord 50/125 OM2 SC/PC - ST/PC Simplex Mt.3
FPSTST3M3PS	Patchord 50/125 OM2 ST/PC - ST/PC Simplex Mt.3

PATCH CORD FIBRA OTTICA MULTI MODE	
FPLCLC1M3PD	Patchord 50/125 OM2 LC/PC - LC/PC Duplex Mt.1
FPLCLC3M3PD	Patchord 50/125 OM2 LC/PC - LC/PC Duplex Mt.3
FPLCLC5M3PD	Patchord 50/125 OM2 LC/PC - LC/PC Duplex Mt.5
FPLCSC1M3PD	Patchord 50/125 OM2 LC/PC - SC/PC Duplex Mt.1
FPLCSC3M3PD	Patchord 50/125 OM2 LC/PC - SC/PC Duplex Mt.3
FPLCSC5M3PD	Patchord 50/125 OM2 LC/PC - SC/PC Duplex Mt.5
FPSCSC3M3PD	Patchord 50/125 OM2 SC/PC - SC/PC Duplex Mt.3
FPSCSC5M3PD	Patchord 50/125 OM2 SC-PC - SC/PC Duplex Mt.5
FPSCST3M3PD	Patchord 50/125 OM2 SC/PC - ST/PC Duplex Mt.3
FPLCST3M3PD	Patchord 50/125 OM2 LC/PC - ST/PC Duplex Mt.3
FPSTST3M3PD	Patchord 50/125 OM2 ST/PC - ST/PC Duplex Mt.3
FPLCLC1M3RS	Patchord 50/125 OM3 LC/PC - LC/PC Simplex Mt.1
FPLCLC3M3RS	Patchord 50/125 OM3 LC/PC - LC/PC Simplex Mt.3
FPLCSC3M3RS	Patchord 50/125 OM3 LC/PC - SC/PC Simplex Mt.3
FPLCSC5M3RS	Patchord 50/125 OM3 LC/PC - SC/PC Simplex Mt.5
FPSCSC3M3RS	Patchord 50/125 OM3 SC/PC - SC/PC Simplex Mt.3

PATCH CORD FIBRA OTTICA MULTI MODE	
FPSCSC5M3RS	Patchord 50/125 OM3 SC-PC - SC/PC Simplex Mt.5
FPLCST3M3RS	Patchord 50/125 OM3 LC/PC - ST/PC Simplex Mt.3
FPSCST3M3RS	Patchord 50/125 OM3 SC/PC - ST/PC Simplex Mt.3
FPSTST3M3RS	Patchord 50/125 OM3 ST/PC - ST/PC Simplex Mt.3
FPLCLC1M3RD	Patchord 50/125 OM3 LC/PC - LC/PC Duplex Mt.1
FPLCLC3M3RD	Patchord 50/125 OM3 LC/PC - LC/PC Duplex Mt.3
FPLCLC5M3RD	Patchord 50/125 OM3 LC/PC - LC/PC Duplex Mt.5
FPLCSC1M3RD	Patchord 50/125 OM3 LC/PC - SC/PC Duplex Mt.1
FPLCSC3M3RD	Patchord 50/125 OM3 LC/PC - SC/PC Duplex Mt.3
FPLCSC5M3RD	Patchord 50/125 OM3 LC/PC - SC/PC Duplex Mt.5
FPSCSC3M3RD	Patchord 50/125 OM3 SC/PC - SC/PC Duplex Mt.3
FPSCSC5M3RD	Patchord 50/125 OM3 SC-PC - SC/PC Duplex Mt.5
FPSCST3M3RD	Patchord 50/125 OM3 SC/PC - ST/PC Duplex Mt.3
FPLCST3M3RD	Patchord 50/125 OM3 LC/PC - ST/PC Duplex Mt.3
FPSTST3M3RD	Patchord 50/125 OM3 ST/PC - ST/PC Duplex Mt.3
FPLCLC1M3QS	Patchord 50/125 OM4 LC/PC - LC/PC Simplex Mt.1
FPLCLC3M3QS	Patchord 50/125 OM4 LC/PC - SC/PC Simplex Mt.3

PATCH CORD FIBRA OTTICA MULTI MODE	
FPLCSC3M3QS	Patchord 50/125 OM4 LC/PC - SC/PC Simplex Mt.3
FPLCSC5M3QS	Patchord 50/125 OM4 LC/PC - SC/PC Simplex Mt.5
FPSCSC3M3QS	Patchord 50/125 OM4 SC/PC - SC/PC Simplex Mt.3
FPSCSC5M3QS	Patchord 50/125 OM4 SC-PC - SC/PC Simplex Mt.5
FPLCST3M3QS	Patchord 50/125 OM4 LC/PC - ST/PC Simplex Mt.3
FPSCST3M3QS	Patchord 50/125 OM4 SC/PC - ST/PC Simplex Mt.3
FPLCLC1M3QD	Patchord 50/125 OM4 LC/PC - LC/PC Duplex Mt.1
FPLCLC3M3QD	Patchord 50/125 OM4 LC/PC - LC/PC Duplex Mt.3
FPLCLC5M3QD	Patchord 50/125 OM4 LC/PC - LC/PC Duplex Mt.5
FPLCSC1M3QD	Patchord 50/125 OM4 LC/PC - SC/PC Duplex Mt.1
FPLCSC3M3QD	Patchord 50/125 OM4 LC/PC - SC/PC Duplex Mt.3
FPLCSC5M3QD	Patchord 50/125 OM4 LC/PC - SC/PC Duplex Mt.5
FPSCSC3M3QD	Patchord 50/125 OM4 SC/PC - SC/PC Duplex Mt.3
FPSCSC5M3QD	Patchord 50/125 OM4 SC-PC - SC/PC Duplex Mt.5
FPLCST3M3QD	Patchord 50/125 OM4 LC/PC - ST/PC Duplex Mt.3
FPSCST3M3QD	Patchord 50/125 OM4 SC/PC - ST/PC Duplex Mt.3

Pigtail per fibra ottica



FPGTSCA2S1LS12

FPGTSC3M2RS

Nota: le foto dei prodotti sono di esempio. Colori e connettori personalizzabili a richiesta

Pigtail: la lettera del connettore segue l'ordine alfabetico.

Pre Cod.	Connettore 1	Metri	S = Single Mode M = Multi Mode	Ø in millimetri	Tipo fibra	S = Simplex D = Duplex	O = Armata x esterno B = Armata x interramento = da interno LSZH	Confezione
FPGT	FC	1	S	2	E	S		1
	SCA	1	M	3		D		4
				1				8
								12

Metri
1
2
3
5
10
15
20
25

Tipo fibra
E = G652
H = G657
L = G657-A2
Z = OM1
P = OM2
R = OM3
Q = OM4

PIGTAIL FIBRA OTTICA	
FPGTFC2S2ES	Pigtail 9/125 FC/PC Simplex Mt.2 SM G652
FPGTSC2S2ES	Pigtail 9/125 SC/PC Simplex Mt.2 SM G652
FPGTLC2S2ES	Pigtail 9/125 LC/PC Simplex Mt.2 SM G652
FPGTSCA2S2LS	Pigtail 9/125 SC/APC Simplex Mt.2 SM G657-A2
FPGTLCA2S2ES	Pigtail 9/125 LC/APC Simplex Mt.2 SM G652
FPGTFCA2S2ES	Pigtail 9/125 FC/APC Simplex Mt.2 SM G652
FPGTST2S2ES	Pigtail 9/125 ST/PC Simplex Mt.2 SM G652
FPGTLC2M2ZS	Pigtail 62/125 MM LC/PC Simplex Mt.2 OM1
FPGTSC2M2ZS	Pigtail 62/125 MM SC/PC Simplex Mt.2 OM1
FPGTST2M2ZS	Pigtail 62/125 MM ST/PC Simplex Mt.2 OM1
FPGTFC2M2ZS	Pigtail 62/125 MM FC/PC Simplex Mt.2 OM1

PIGTAIL FIBRA OTTICA	
FPGTLC2M2PS	Pigtail 50/125 MM LC/PC Simplex Mt.2 OM2
FPGTSC2M2PS	Pigtail 50/125 MM SC/PC Simplex Mt.2 OM2
FPGTST2M2PS	Pigtail 50/125 MM ST/PC Simplex Mt.2 OM2
FPGTFC2M2PS	Pigtail 50/125 MM FC/PC Simplex Mt.2 OM2
FPGTLC2M2RS	Pigtail 50/125 MM LC/PC Simplex Mt.2 OM3
FPGTSC2M2RS	Pigtail 50/125 MM SC/PC Simplex Mt.2 OM3
FPGTST2M2RS	Pigtail 50/125 MM ST/PC Simplex Mt.2 OM3
FPGTFC2M2RS	Pigtail 50/125 MM FC/PC Simplex Mt.2 OM3
FPGTLC2M2QS	Pigtail 50/125 MM LC/PC Simplex Mt.2 OM4
FPGTSC2M2QS	Pigtail 50/125 MM SC/PC Simplex Mt.2 OM4
FPGTST2M2QS	Pigtail 50/125 MM ST/PC Simplex Mt.2 OM4
FPGTFC2M2QS	Pigtail 50/125 MM FC/PC Simplex Mt.2 OM4

TMSC303, TMSCA101 - Field-Installable Connector

TMSC303 TMSCA101

Main features:
- Comply with TIA/EIA and IEC;
- Quick and easy fiber termination;
- RoHS compliant;
- Reusable termination capability [Up to 5 times];
- Easy to deploy fiber solution;
- High success rate of connections;
- Low Insertion & Back Reflection;
- No special tools required.

Applications:
- All fiber interconnection;
- Telecom Distribution and Local Area Networks;
- FTTH and FTTx;
- Passive optical networks [ATM, WDM, Ethernet];
- Broadband, Cable TV(CATV).

TMSC303, TMSCA101	
Applicable for	Ø 0.9 mm Indoor Round Cable
Fiber mode	9 / 125 µm Single mode 50 / 125 Multi mode
Polish Type	APC / UPC
Dimension	55 mm
Housing	Green / Blue PC Plastic
Ferrule Material	Ceramic(Zirconia)
Operation time	About 50 s (no fiber cut)
Insertion Loss	≤ 0.50 dB
Insertion Loss Typical value	≤ 0.30 dB
Return Loss	≥ 45.0 dB
Fastening strength of naked fiber	≥ 5 N
Tensile strength	≥ 50 N
Reusable	≥ 10 times
Operating Temperature	-40°C ~ +75°C
On-line tensile strength (10 N)	ΔIL ≤ 0.3 dB
Mechanical durability (500 times)	ΔIL ≤ 0.3 dB
Drop-off test (drop-off height 4 m, once per direction, totally 3 times)	ΔIL ≤ 0.3 dB
Conformance	TIA/EIA 604-3

Blister Box Packing
Size: 12 x 9 cm
Quantity: 10 PCS/Box
Net Weight: 0.005 kg/PCS

Attenuatori ottici single mode

FXATFCPC5

Attenuatore fisso ottico professionale da 5dB, preterminato FC, Single Mode.

FXATFCPC10

Attenuatore fisso ottico professionale da 10dB, preterminato FC, Single Mode.

FXATFCPC15

Attenuatore fisso ottico professionale da 15dB, preterminato FC, Single Mode.

FXATSCAPC5

Attenuatore fisso ottico professionale da 5dB, preterminato SC/APC, Single Mode.

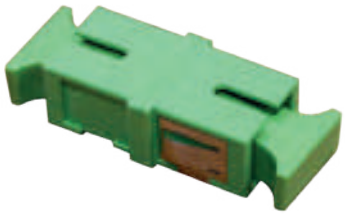
FXATSCAPC10

Attenuatore fisso ottico professionale da 10dB, preterminato SC/APC, Single mode.

FXATSCAPC15

Attenuatore fisso ottico professionale da 15dB, preterminato SC/APC, Single mode.

FA-SCA-SS



CEI 306-22 COMPLIANT

Bussola adattatrice da SC/APC a SC/APC.

FA-2SCA-SSBL

CEI 306-22 COMPLIANT

Bussola adattatrice da SC/APC a SC/APC. Shutter **blu.**

FA-2SCA-SSRS

CEI 306-22 COMPLIANT

Bussola adattatrice da SC/APC a SC/APC.
Shutter **rosso.**

FA-2SCA-SSVE

CEI 306-22 COMPLIANT

Bussola adattatrice da SC/APC a SC/APC.
Shutter **verde.**

FA-2SCA-SSGI

CEI 306-22 COMPLIANT

Bussola adattatrice da SC/APC a SC/APC.
Shutter **giallo.**

FA-2SCA-SS4C

CEI 306-22 COMPLIANT

Kit 24 bussole adattatrici da SC/APC a SC/APC. Colori: 6x giallo, 6x blu, 6x rosso, 6x verde.

FHA-SCPF-STPM-SS

Adattatore SC/PC femmina a ST/PC, maschio

FA-FCMLCFSM

Bussola adattatrice SC/PC a SC/PC.

FA-STP-SS

Bussola adattatrice ST/PC a ST/PC.

FHA-SCPF-STPF-MS

Bussola adattatrice SC/FC a ST/PC.

FHA-FCPM-SCPF-MS

Adatatore FC/FC femmina a SC/PC, maschio.

FHA-FCF-SCM-SS

Bussola adattatrice FC/APC a SC/APC.

FA-FCP-SS

Bussola adattatrice FC/PC a FC/PC.

FA-FCA-SS

Bussola adattatrice FC/APC a FC/APC.

F700251

Bussola adattatrice FC/PC a SC/PC.

FASCPSS

Bussola adattatrice SC/PC a SC/PC.

FA-2SC-SS

Doppia bussola adattatrice SC/PC a SC/PC

FA-2SCA-SS

Doppia bussola adattatrice SC/APC a SC/APC

FA-LCP-SS

Bussola adattatrice SM LC/PC a LC/PC.

FA-LCP-SD

Bussola adattatrice Duplex LC/PC a LC/PC.

FA-LCA-SS

Bussola adattatrice LC/APC a LC/APC.

FA-SCP-MS3

Bussola SC-SC MM OM3 colore Aqua.

FA-SCP-MD3

Bussola SC-SC duplex MM OM3 colore Aqua.

FA-LCP-MD3

Bussola LC-LC duplex MM OM3 colore Aqua.

FA-SCP-MS4

Bussola SC-SC MM OM4 colore Violet.

FA-SCP-MD4

Bussola SC-SC duplex MM OM4 colore Violet.

FA-LCP-MD4

Bussola LC-LC duplex MM OM4 colore Violet.

MCORMP1U

Universal sliding patch panel 19”rack 1U adatto per 3 FRWOP8 FC / SC /ST / BP (non incluse).

MCOP8FC

Pannello opzionale per MCORMP1U addatto per 8 bussole FC-FC o ST-ST (non incluse).

MCOP8SC

Pannello opzionale per MCORMP1U addatto per 8 bussole SC-SC (non incluse).

MCOP8BP

Pannello non forato opzionale per MCORMP1U.

MSTR24

Ordinatore 24 fibre.
Misure: 159 x 105 x 18 mm.

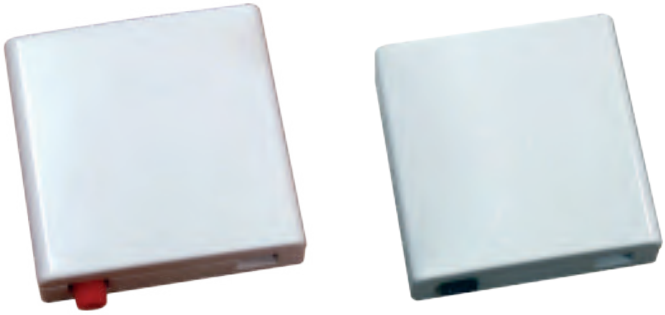
MSTR12

Ordinatore 12 fibre.
Misure: 101 x 165 x 17 mm.

MSTR6

Ordinatore 6 fibre.
Misure: 97 x 84 x 13 mm.

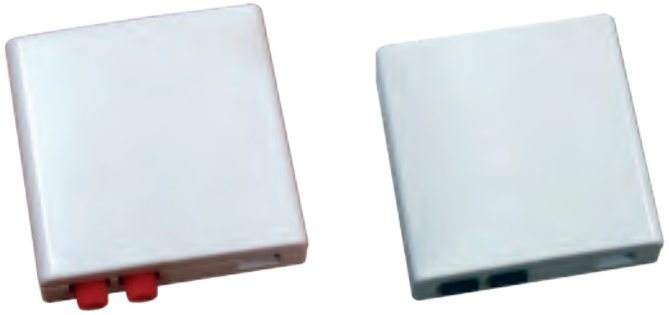
FMIWB201FC, FMIWB201SCA



FRWIWB201FC: contenitore a parete completo di 1 bussola FC/PC. Misure: 86x86x22mm.

FRWIWB201SCA: contenitore a parete completo di 1 bussola SC/SC-APC. Misure: 86x86x22mm.

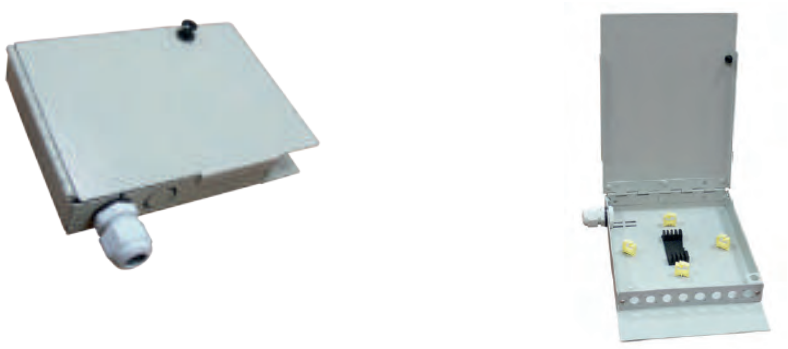
FMIWB202FC, FMIWB202SCA



FRWIWB202FC: contenitore a parete completo di 2 bussole FC/PC. Misure: 86x86x22mm.

FRWIWB202SCA: contenitore a parete completo di 2 bussole SC/SC-APC. Misure: 86x86x22mm.

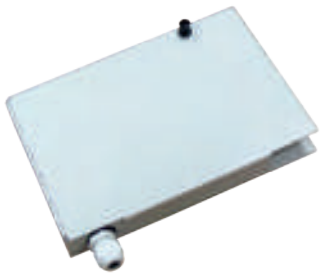
FMIWMB104SCA, FMIWMB104FC



FRWIWMB104SCA: contenitore a parete per splitter, con 4 bussole SC/APC. 1 ingresso / 4 core. Misure: 140x130x36mm.

FRWIWMB104FC: contenitore a parete per splitter, con 4 bussole FC/PC. 1 ingresso / 4 core. Misure: 140x130x36mm.

FMIWMB108SCA, FMIWMB108FC



FRWIWMB108SCA: contenitore a parete per splitter, con 8 bussole SC/APC. 2 ingressi / 4 core. Misure: 200x165x40mm.

FRWIWMB108FC: contenitore a parete per splitter, con 8 bussole FC/PC. 2 ingressi / 4 core. Misure: 200x165x40mm.

MCORM1

Contenitore a parete completo di adattatori plastici per 2 bussole FC / SC / SC-APC / LC / ST. Dimensioni 80,8 x 80,8 x 25,0 mm.

MCORM2

Contenitore di distribuzione a parete angolare completo di adattatori plastici per 2 bussole FC / SC / SC-APC / LC / ST.
Dimensioni: 140 x 109 x 25 mm.

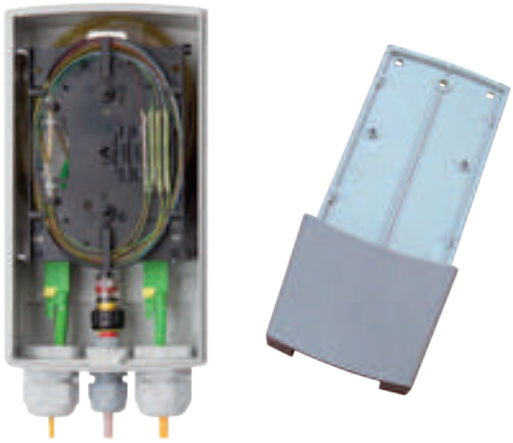
MCORML4

Contenitore per distribuzione a parete predisposto per adattatori plastici per 2 bussole Duplex SC-APC.
Dimensioni: 136 x 156 x 46 mm.

MCORM3PK

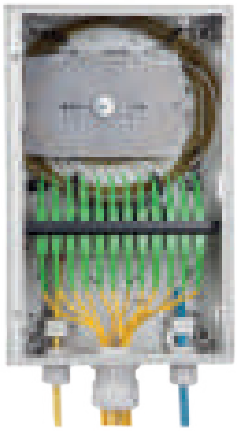
Contenitore per distribuzione a parete fibra passante e prelievo per 12 splices.
Dimensioni: 136 x 136 x 46 mm.

MCORM4KIT



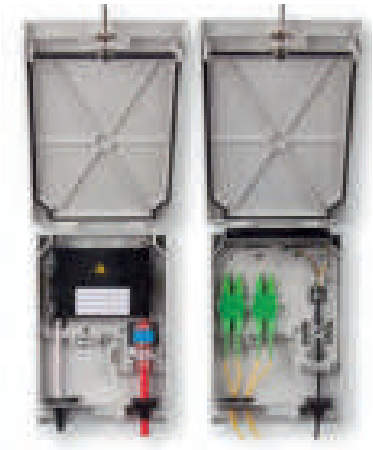
Contenitore a chiave di distribuzione a parete completo di adattatori plastici per 2 bussole SC / SC-APC. Dimensioni 185 x 103 x 73 mm.

MCORM12



Contenitore a chiave di distribuzione a parete completo di adattatori plastici per 12 bussole SC / SC-APC. Dimensioni 185 x 103 x 73 mm.

MCORM5K



CEI 306-22 COMPLIANT

Contenitore a chiave di distribuzione a parete completo di adattatori plastici per 4 bussole SC/SC-APC. Dimensioni: 235 x 156 x 45 mm.

MCPOR48

CEI 306-22 COMPLIANT

Contenitore Servizi SAT / TV di distribuzione a parete, doppia apertura con chiave, pronto per 24 adattatori SC/APC /SC/APC.
Dimensioni: 421 x 316 x 64 mm.

MOSTOA1

CEI 306-22 COMPLIANT

Contenitore STOA completo di 4 adattatori SC-APC shutter (4 colori). Dimensioni: 100 x 80 x 29 mm.

MOSTOA8

CEI 306-22 COMPLIANT

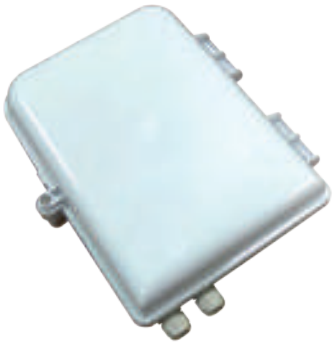
Contenitore STOA completo di 8 adattatori SC-APC standard. Dimensioni: 130 x 199 x 28.5 mm.

MOSTOA12DIN

CEI 306-22 COMPLIANT

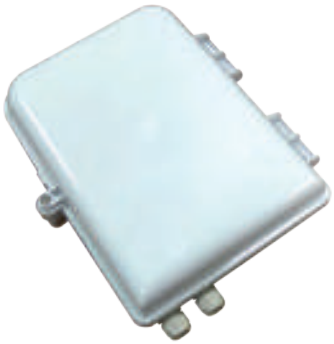
Contenitore STOA da barra din vuoto per utilizzo di 12 adattatori SC-APC / SC-PC / LC-PC Duplex. Standard CEI 306-22. Dimensioni: 35 x 133 x 130 mm.

MOWB216FC



Contenitore a parete per splitter: per esterno, 2 ingressi, completo di 16 bussole FC/PC. Misure: 260x320x90mm

MOWB216SCA / 208SCA



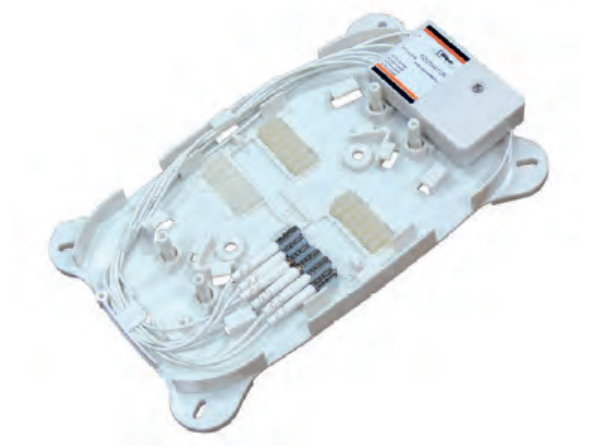
Contenitore a parete per splitter: per esterno, 2 ingressi, completo di 16 bussole SC/APC. Misure: 260x320x90mm

Contenitore a parete per splitter: per esterno, 2 ingressi, completo di 8 bussole SC/APC. Misure: 260x320x90mm

FOCWJB

Contenitore per fibra ottica.

Coperchio di chiusura.



Con splitter/coupler 5M.

Con splitter/coupler FC-PC.

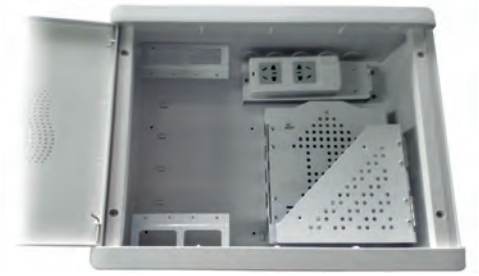
Con splitter/coupler SC-APC.

Con splitter/coupler non terminato.

FMIWMB148SCA

For splitting, 1 - 3 pcs standard slot position for splitter, for 1:8, 1:16. 1:32 splitter. For distribution, 1 - 72 ports of adapters panel.
Maximum 2 pcs of slice trays (expandible) for satisfying kinds of connection.
Dimension 350 x 340 x 120 mm.

MQDSA-TS



CEI 306-22 COMPLIANT

Box da incasso QDSA vuoto per cablaggio FIBRA / SAT&TV.
Dimensioni 395 x 303 x 120 mm.

FMGOB248

Contenitore per splitter: per esterno / interramento, ingressi cavo 2x16mm o 4x12mm
Misure: 280x200x90mm

SPECIFICHE	FMGOB248
Appearance size	280 × 200 × 90 mm
Cable ports	2-5
Core capacity per tray	12-24
Max capacity (fibers)	96
Dable Diameter	Ø 14 mm
Weight/Unit	2.6 - 2.8 kg

Main Features:
- Holds up to 96 fibers.
- Easy to re-enter
- Cable entry/exit ports
- Pressure testing valve and earth deriving device
- Intergrated seal, air tight and water proof
- Ideal for cable repair
- RoHS compliant
- Can be used in through, branch or mid span splice locations
- Suitable for aerial, underground duct or direct burial applications

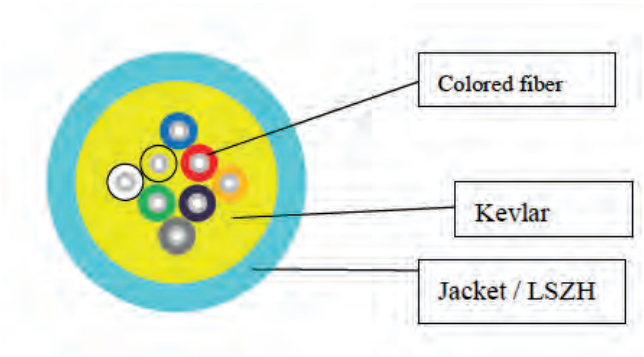
FMGOB436

SPECIFICHE	FMGOB436
Size	260 × 210 × 90 mm
Weight	4.2 - 4.8 kg
Port quantity	3 (2 ports are for single bunch fiber cable, 1 port is for cable which is uncut)
Suit cable diameter	Small port Ø 8~12 mm Direct output cable Ø 10~17.5
Tray quantity	3 pcs
Max. Capacity (single fiber)	36 F
Sealing	Mechanical
Tray capacity	12 F
IP rate	68

Type FMGOB436 is one type of dome closure, which can connect and protect fiber cable and splices piont in straight-through and branching applications. With IP 65 level. Has two small ports and one uncut port. Use vulcanization molding rubber and direct pressure mechanical sealing.

MOFSMxI - Micro cavo ottico Single Mode (EN 60794-2-50)

Sezione



MOFSM4I: 4 core
MOFSM8I: 8 core

CEI 306-22
COMPLIANT

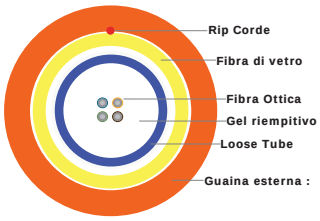
SPECIFICHE	MOFSM4I	MOFSM8I
CABLE PARAMETERS		
Fiber Count	4	8
Cable Weight	2.8 kg/km	
Fiber Type	G657-A2	
Colored Coating Fiber		
Dimension	250 ± 15 µm	
Color	Blue, Yellow Red, White, Green, Violet, Orange, Grey According to CEI EN 60793-2-50 standard	
Jacket		
Dimension	2.8 ± 0.1 mm	
Material	LSZH	
Color	White	

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS	
Tension (Long Term)	60 N
Tension (Short Term)	100 N
Crush (Long Term)	100 N/10 cm
Crush (Short Term)	500 N/10 cm
Min. Bend Radius (Dynamic)	60 mm
Min. Bend Radius (Static)	30 mm
Installation Temperature	0°C ~ +70°C
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-20°C ~ +70°C

PRODOTTO CORRELATO: MOSTOA1

PRODOTTO CORRELATO: MCSOE12C

Fibra Ottica monomodale con armatura dielettrica



A. **Conduttori :** Fibra ottica
B. **Riempitivo :** Gel Riempitivo
C. **Loose Tube :** PBT
D. **Fibra di vetro :** Filato in fibra di vetro
E. **Rip Corde :**
F. **Guaina esterna :** Duraflam+® LSZH
Colorazione guaina : Arancio

CODICE PRODOTTO	TIPOLOGIA	N DI FIBRE	MAX. CARICO DI TRAZIONE (N)	INSTALLAZIONE INTERNA / ESTERNA	DIAMETRO ESTERNO (MM)	PESO (KG/KM)	MATERIALE E COLORE GUAINA ESTERNA	CPR CLASSIFICAZIONE REAZIONE AL FUOCO
FOFOAZ04	OS2	4	1200 / 800	• / •	6,40	48,0	LSZH Arancio	Cca s1b,d1,a1
FOFOAZ08	OS2	8	1200 / 800	• / •	6,40	48,0	LSZH Arancio	Cca s1b,d1,a1
FOFOAZ12	OS2	12	1200 / 800	• / •	6,40	48,0	LSZH Arancio	Cca s1b,d1,a1
FOFOAZ24	OS2	24	1200 / 800	• / •	6,40	48,0	LSZH Arancio	Cca s1b,d1,a1

SCHEMA COLORI FIBRE												
NO.	1	2	3	4	5	6	7	8	9	10	11	12
COLOR	Blu	Arancio	Verde	Marrone	Grigio	Bianco	Rosso	Nero	Giallo	Viola	Rosa	Acqua
NO.	13	14	15	16	17	18	19	20	21	22	23	24
COLOR	Blu*	Arancio*	Verde*	Marrone*	Grigio*	Bianco*	Rosso*	Nero*	Giallo*	Viola*	Rosa*	Acqua*

* tratteggiatura nera circolare di riconoscimento ogni 50mm

CARATTERISTICHE MECCANICHE E PERFORMANCE		
CARATTERISTICA	SPECIFICA	VALORE
Max Carico di Trazione	Breve termine Lungo termine	1200N 800N
Max Resistenza allo schiacciamento	Breve termine Lungo termine	1500N / 100mm 30% del valore a breve termine
Min. Raggio di curvatura	Fase di installazione In utilizzo	20 volte il diametro 10 volte il diametro
Range di temperatura	Temperatura di esercizio Temperatura di posa Temperatura di stoccaggio e trasporto	-30°C ~ +70°C -5°C ~ +55°C -30°C ~ +70°C

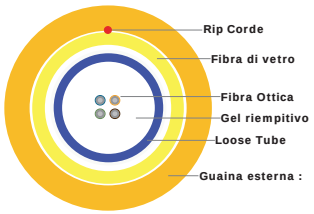
CARATTERISTICHE MECCANICHE PRINCIPALI E PERFORMANCE TEST		
CARATTERISTICA	METODO DI PROVA	CONDIZIONI DI ACCETTAZIONE
Resistenza alla Trazione IEC 60794-1-2-E1	- Carico: Tensione temporanea - Lunghezza del cavo: 50m - Tempo di carico: 1min	- Deformazione fibra ≤ 0.6% - Nessuna rottura di fibre e nessun danno alla guaina
Prova di schiacciamento IEC 60794-1-2-E3	- Carico: Per breve periodo - Tempo di carico: 1min	- Nessuna rottura di fibre e nessun danno alla guaina

"Nessun cambio di attenuazione" considerato se l'attenuazione varia ≤ 0.05 db.

CARATTERISTICHE FIBRE OTTICA MONOMODALE		
DESCRIZIONE		VALORE
Attenuazione	@1310nm @1550nm	≤ 0.36dB/km ≤ 0.22dB/km
Dispersione	@1288nm ~ 1339nm @1550nm	≤ 3.5ps/ (nm • km) ≤ 18ps/ (nm • km)
Zero - Dispersion wavelength		1300nm ~ 1324nm
Zero - Dispersion slope		≤ 0.092ps/ (nm² • km)
MFD (Mode field diameter)	@1310nm @1550nm	9.2 ± 0.4 µm 10.4 ± 0.8 µm
Acc (nm) «Cable cutoff wavelenght»		≤ 1260nm
Micro bending Attenuation	@1550nm (100turns; Ø60mm)	≤0.05dB
(PMDQ) «Link polarization dispersion «		≤0.1ps/km½

RIF. CPR UE 305/11 CLASSIFICAZIONE REAZIONE AL FUOCO
Cavi ottici per impianti dati installati in opere d'ingegneria civile soggetti a prescrizione di reazione al fuoco **Classificazione secondo reazione al fuoco:** Euroclasse Cca s1b d1 a1

Fibra Ottica multimodale con armatura dielettrica



A. **Conduttori :** Fibra ottica
B. **Riempitivo :** Gel Riempitivo
C. **Loose Tube :** PBT
D. **Fibra di vetro :** Filato in fibra di vetro
E. **Rip Corde :**
F. **Guaina esterna :** Duraflam+® LSZH
Colorazione guaina : Giallo

CODICE PRODOTTO	TIPOLOGIA	N DI FIBRE	MAX. CARICO DI TRAZIONE (N)	INSTALLAZIONE INTERNA / ESTERNA	DIAMETRO ESTERNO (MM)	PESO (KG/KM)	MATERIALE E COLORE GUAINA ESTERNA	CPR CLASSIFICAZIONE REAZIONE AL FUOCO
FOFO2Z04	Om2	4	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO2Z08	Om2	8	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO2Z12	Om2	12	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO2Z24	Om2	24	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO3Z04	Om3	4	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO3Z08	Om3	8	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO3Z12	Om3	12	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO3Z24	Om3	24	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO4Z04	Om4	4	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO4Z08	Om4	8	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO4Z12	Om4	12	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1
FOFO4Z24	Om4	24	1200 / 800	• / •	6,40	48,0	LSZH Giallo	Cca s1b,d1,a1

SCHEMA COLORI FIBRE												
NO.	1	2	3	4	5	6	7	8	9	10	11	12
COLOR	Blu	Arancio	Verde	Marrone	Grigio	Bianco	Rosso	Nero	Giallo	Viola	Rosa	Acqua
NO.	13	14	15	16	17	18	19	20	21	22	23	24
COLOR	Blu*	Arancio*	Verde*	Marrone*	Grigio*	Bianco*	Rosso*	Nero*	Giallo*	Viola*	Rosa*	Acqua*

* tratteggiatura nera circolare di riconoscimento ogni 50mm

CARATTERISTICHE MECCANICHE E PERFORMANCE		
CARATTERISTICA	SPECIFICA	VALORE
Max Carico di Trazione	Breve termine Lungo termine	1200N 800N
Max Resistenza allo schiacciamento	Breve termine Lungo termine	1500N / 100mm 30% del valore a breve termine
Min. Raggio di curvatura	Fase di installazione In utilizzo	20 volte il diametro 10 volte il diametro
Range di temperatura	Temperatura di esercizio Temperatura di posa Temperatura di stoccaggio e trasporto	-30°C ~ +70°C -5°C ~ +55°C -30°C ~ +70°C

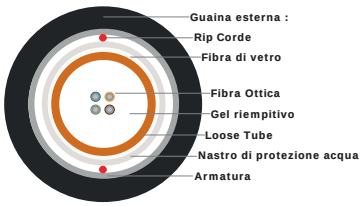
CARATTERISTICHE MECCANICHE PRINCIPALI E PERFORMANCE TEST		
CARATTERISTICA	METODO DI PROVA	CONDIZIONI DI ACCETTAZIONE
Resistenza alla Trazione IEC 60794-1-2-E1	- Carico: Tensione temporanea - Lunghezza del cavo: 50m - Tempo di carico: 1min	- Deformazione fibra ≤ 0.6% - Nessuna rottura di fibre e nessun danno alla guaina
Prova di schiacciamento IEC 60794-1-2-E3	- Carico: Per breve periodo - Tempo di carico: 1min	- Nessuna rottura di fibre e nessun danno alla guaina

"Nessun cambio di attenuazione" considerato se l'attenuazione varia ≤ 0.05 db.

FIBRA MULTIMODALE				LARGHEZZA DI BANDA (MHZ. KM)			ATTENUAZIONE (DB/KM)	
NOMENCLATURA	TIA FIBER STANDARD	DIAMETRO CORE (MICRON)	DIAMETRO CLADDING (MICRON)	OFL A 850 NM	OFL A 1300 NM	EMB 850 NM	A 850 NM	A 1300 NM
Om2	492-AAAB	50	125	≥700	≥500	- -	≤3.5	≤1.5
Om3	492-AAAC	50	125	≥1500	≥500	≥2000	≤3.5	≤1.5
Om4	492-AAAD	50	125	≥3500	≥500	≥4700	≤3.5	≤1.5

RIF. CPR UE 305/11 CLASSIFICAZIONE REAZIONE AL FUOCO
Cavi ottici per impianti dati installati in opere d'ingegneria civile soggetti a prescrizione di reazione al fuoco **Classificazione secondo reazione al fuoco:** Euroclasse Cca s1b d1 a1

Fibra Ottica monomodale con armatura acciaio termosaldato



A. Conduttori : Fibra ottica
B. Riempitivo : Gel Riempitivo
C. Loose Tube : PBT
D. Fibra di vetro : Filato in fibra di vetro
E. Nastro di protezione acqua: Duralit®
F. Rip Corde :
G. Armatura : Acciaio Corrugato
H. Guaina esterna : Duraflam+® LSZH
Colorazione guaina : Nero

CODICE PRODOTTO	TIPOLOGIA	N DI FIBRE	MAX. CARICO DI TRAZIONE (N)	INSTALLAZIONE INTERNA / ESTERNA	DIAMETRO ESTERNO (MM)	PESO (KG/KM)	MATERIALE E COLORE GUAINA ESTERNA	CPR CLASSIFICAZIONE REAZIONE AL FUOCO
FOFOAR04	OS2	4	1200 / 800	• / •	8,70	98,0	LSZH Nero	Cca s1b,d1,a1
FOFOAR08	OS2	8	1200 / 800	• / •	8,70	98,0	LSZH Nero	Cca s1b,d1,a1
FOFOAR12	OS2	12	1200 / 800	• / •	8,70	98,0	LSZH Nero	Cca s1b,d1,a1
FOFOAR24	OS2	24	1200 / 800	• / •	8,70	98,0	LSZH Nero	Cca s1b,d1,a1

SCHEMA COLORI FIBRE												
NO.	1	2	3	4	5	6	7	8	9	10	11	12
COLOR	Blu	Arancio	Verde	Marrone	Grigio	Bianco	Rosso	Nero	Giallo	Viola	Rosa	Acqua
NO.	13	14	15	16	17	18	19	20	21	22	23	24
COLOR	Blu*	Arancio*	Verde*	Marrone*	Grigio*	Bianco*	Rosso*	Nero*	Giallo*	Viola*	Rosa*	Acqua*

* tratteggiatura nera circolare di riconoscimento ogni 50mm

CARATTERISTICHE MECCANICHE E PERFORMANCE		
CARATTERISTICA	SPECIFICA	VALORE
Max Carico di Trazione	Breve termine Lungo termine	1200N 800N
Max Resistenza allo schiacciamento	Breve termine Lungo termine	2000N / 100mm 30% del valore a breve termine
Min. Raggio di curvatura	Fase di installazione In utilizzo	20 volte il diametro 10 volte il diametro
Range di temperatura	Temperatura di esercizio Temperatura di posa Temperatura di stoccaggio e trasporto	-30°C ~ +70°C -5°C ~ +55°C -30°C ~ +70°C

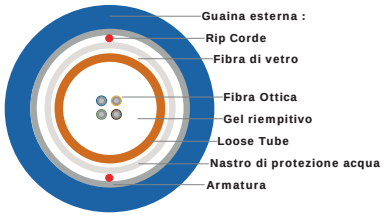
CARATTERISTICHE MECCANICHE PRINCIPALI E PERFORMANCE TEST		
CARATTERISTICA	METODO DI PROVA	CONDIZIONI DI ACCETTAZIONE
Resistenza alla Trazione IEC 60794-1-2-E1	- Carico: Tensione temporanea - Lunghezza del cavo: 50m - Tempo di carico: 1min	- Deformazione fibra ≤ 0.6% - Nessuna rottura di fibre e nessun danno alla guaina
Prova di schiacciamento IEC 60794-1-2-E3	- Carico: Per breve periodo - Tempo di carico: 1min	- Nessuna rottura di fibre e nessun danno alla guaina

"Nessun cambio di attenuazione" considerato se l'attenuazione varia ≤ 0.05 db.

CARATTERISTICHE FIBRE OTTICA MONOMODALE		
DESCRIZIONE		VALORE
G.652D CARATTERISTICHE OTTICHE		
Attenuazione	@1310nm @1550nm	≤ 0.36dB/km ≤ 0.22dB/km
Dispersione	@1288nm ~ 1339nm @1550nm	≤ 3.5ps/ (nm • km) ≤ 18ps/ (nm • km)
Zero - Dispersion wavelength		1300nm ~ 1324nm
Zero - Dispersion slope		≤ 0.092ps/ (nm² • km)
MFD (Mode field diameter)	@1310nm @1550nm	9.2 ± 0.4 µm 10.4 ± 0.8 µm
Acc (nm) «Cable cutoff wavelenght»		≤ 1260nm
Micro bending Attenuation	@1550nm (100turns; Ø60mm)	≤0.05dB
(PMDQ) «Link polarization dispersion «		≤0.1ps/km½

RIF. CPR UE 305/11 CLASSIFICAZIONE REAZIONE AL FUOCO
Cavi per impianti di videosorveglianza IP, impianti dati, installati in opere d'ingegneria civile soggetti a prescrizione di reazione al fuoco **Classificazione secondo reazione al fuoco:** Euroclasse Cca s1b d1 a1

Fibra Ottica multimodale con armatura acciaio termosaldato



A. Conduttori : Fibra ottica
B. Riempitivo : Gel Riempitivo
C. Loose Tube : PBT
D. Fibra di vetro : Filato in fibra di vetro
E. Nastro di protezione acqua: Duralit®
F. Rip Corde :
G. Armatura : Acciaio Corrugato
H. Guaina esterna : Duraflam+® LSZH
Colorazione guaina : Blu

CODICE PRODOTTO	TIPOLOGIA	N DI FIBRE	MAX. CARICO DI TRAZIONE (N)	INSTALLAZIONE INTERNA / ESTERNA	DIAMETRO ESTERNO (MM)	PESO (KG/KM)	MATERIALE E COLORE GUAINA ESTERNA	CPR CLASSIFICAZIONE REAZIONE AL FUOCO
FOFO2R04	Om2	4	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO2R08	Om2	8	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO2R12	Om2	12	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO2R24	Om2	24	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO3R04	Om3	4	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO3R08	Om3	8	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO3R12	Om3	12	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO3R24	Om3	24	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO4R04	Om4	4	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO4R08	Om4	8	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO4R12	Om4	12	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1
FOFO4R24	Om4	24	1200 / 800	• / •	8,70	98,0	LSZH Blu	Cca s1b,d1,a1

SCHEMA COLORI FIBRE												
NO.	1	2	3	4	5	6	7	8	9	10	11	12
COLOR	Blu	Arancio	Verde	Marrone	Grigio	Bianco	Rosso	Nero	Giallo	Viola	Rosa	Acqua
NO.	13	14	15	16	17	18	19	20	21	22	23	24
COLOR	Blu*	Arancio*	Verde*	Marrone*	Grigio*	Bianco*	Rosso*	Nero*	Giallo*	Viola*	Rosa*	Acqua*

* tratteggiatura nera circolare di riconoscimento ogni 50mm

CARATTERISTICHE MECCANICHE E PERFORMANCE		
CARATTERISTICA	SPECIFICA	VALORE
Max Carico di Trazione	Breve termine Lungo termine	1200N 800N
Max Resistenza allo schiacciamento	Breve termine Lungo termine	2000N / 100mm 30% del valore a breve termine
Min. Raggio di curvatura	Fase di installazione In utilizzo	20 volte il diametro 10 volte il diametro
Range di temperatura	Temperatura di esercizio Temperatura di posa Temperatura di stoccaggio e trasporto	-30°C ~ +70°C -5°C ~ +55°C -30°C ~ +70°C

CARATTERISTICHE MECCANICHE PRINCIPALI E PERFORMANCE TEST		
CARATTERISTICA	METODO DI PROVA	CONDIZIONI DI ACCETTAZIONE
Resistenza alla Trazione IEC 60794-1-2-E1	- Carico: Tensione temporanea - Lunghezza del cavo: 50m - Tempo di carico: 1min	- Deformazione fibra ≤ 0.6% - Nessuna rottura di fibre e nessun danno alla guaina
Prova di schiacciamento IEC 60794-1-2-E3	- Carico: Per breve periodo - Tempo di carico: 1min	- Nessuna rottura di fibre e nessun danno alla guaina

"Nessun cambio di attenuazione" considerato se l'attenuazione varia ≤ 0.05 db.

FIBRA MULTIMODALE				LARGHEZZA DI BANDA (MHZ. KM)			ATTENUAZIONE (DB/KM)	
NOMENCLATURA	TIA FIBER STANDARD	DIAMETRO CORE (MICRON)	DIAMETRO CLADDING (MICRON)	OFL A 850 NM	OFL A 1300 NM	EMB 850 NM	A 850 NM	A 1300 NM
Om2	492-AAAB	50	125	≥700	≥500	- -	≤3.5	≤1.5
Om3	492-AAAC	50	125	≥1500	≥500	≥2000	≤3.5	≤1.5
Om4	492-AAAD	50	125	≥3500	≥500	≥4700	≤3.5	≤1.5

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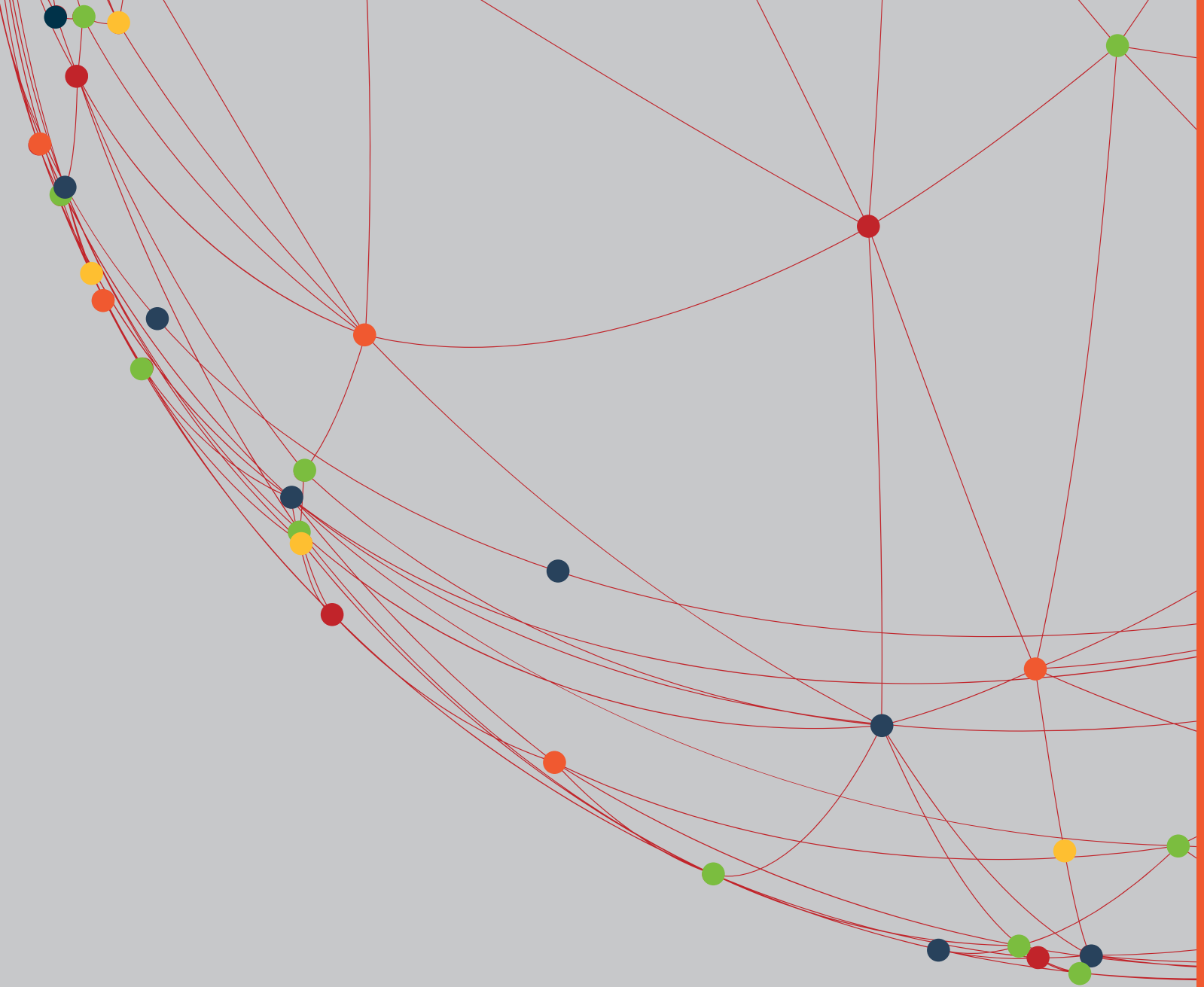

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