

LOOX

MIRA



CATALOGO FIBRA OTTICA COMPONENTI ATTIVI 2020 - Q1



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- P4** TRASMETTITORI / RICEVITORI OTTICI
- P8** LNB CON USCITA OTTICA
- P9** UNITÀ INTERNE
- P11** UNITÀ ODU
- P14** MULTISWITCH OTTICI
- P15** FIBRA OTTICA PER TVCC / LAN / HDMI / USB

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



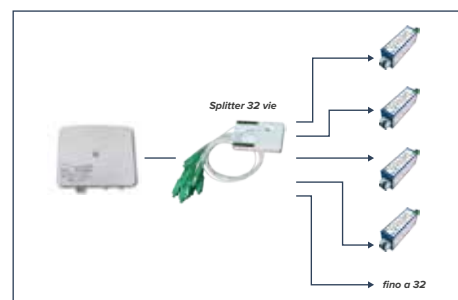
MOCH25 / MOCH55

- 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 Wavelength	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

J4030, J4031 - Optical Receiver



J4030

- Optical wavelengths: 1310 nm (V), 1330 nm (H)
- Optical input level: -10 to +9 dBm
- Terrestrial input range: 5 to 862 MHz (via RF input)
- SCR output level (per transponder): 85 dBμV (typ.)
- Outputs: 2 outputs (SAT + TERR) with 16 userbands each
- Standards: DiSEqC 1.0 / DiSEqC 2.0 / SKY UK / EN 50494 (SCD) / EN 50607 (SCD2) / Universal LNB Voltage & Tone
- Compatible with legacy STB's
- Power supply: 12V - 20V (optional ref. J2499L)



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

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 dCSS)	
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	



PRODOTTO CORRELATO:
J2499L

J4020 - FiberTwist SAT



J4020

- Optical Wavelength: 1310 nm (V), 1330 nm (H)
- Optical input level: -10 to +9 dBm
- Terrestrial input range: 5 to 862 MHz (via RF input)
- SCR output level (per transponder): 85 dBμV (typ.)
- Outputs: 1 with 16 userbands
- Standards: DiSEqC 1.0 / DiSEqC 2.0 / EN 50494 (SCD) / EN 50607 (SCD2) / Universal LNB Voltage & Tone
- Compatible with legacy STB's
- Power supply: 12V - 20V / 500 mA (included)

SPECIFICHE	J4020
Optical Inputs	1
Terrestrial Inputs	1 (RF)
RF Outputs	1 (dCSS/dSCR/Legacy/TERR)
Optical Wavelength	1310 nm - 1330 nm
Terrestrial Frequency Range	5 ~ 862 MHz
Satellite Output Frequency Range	950 ~ 2150 MHz
Optical Input Level	-10 ~ +9 dBm
Terrestrial Insertion Loss	3 dB
dSCR & Legacy Output Level per Tr (AGC)	85 dBμV
dCSS / dSCR UBs	10
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
Power Indicator	Green LED for power
Operating Temperature Range	-20°C ~ +55°C
Dimensions	110 x 110 x 25
Weight	0.2 kg

J4032 - dSCR/legacy Quad/Quattro FTU

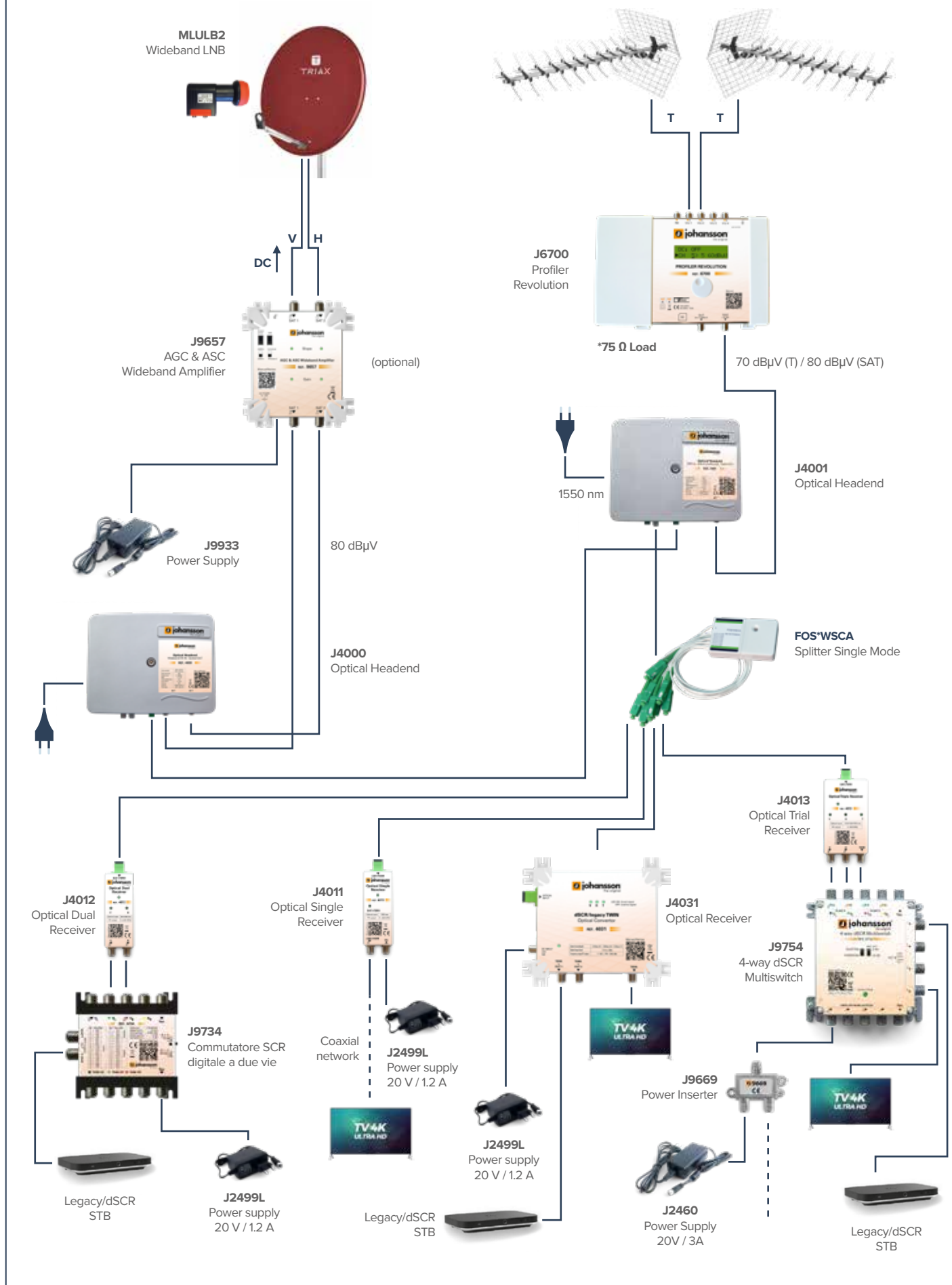


J4032

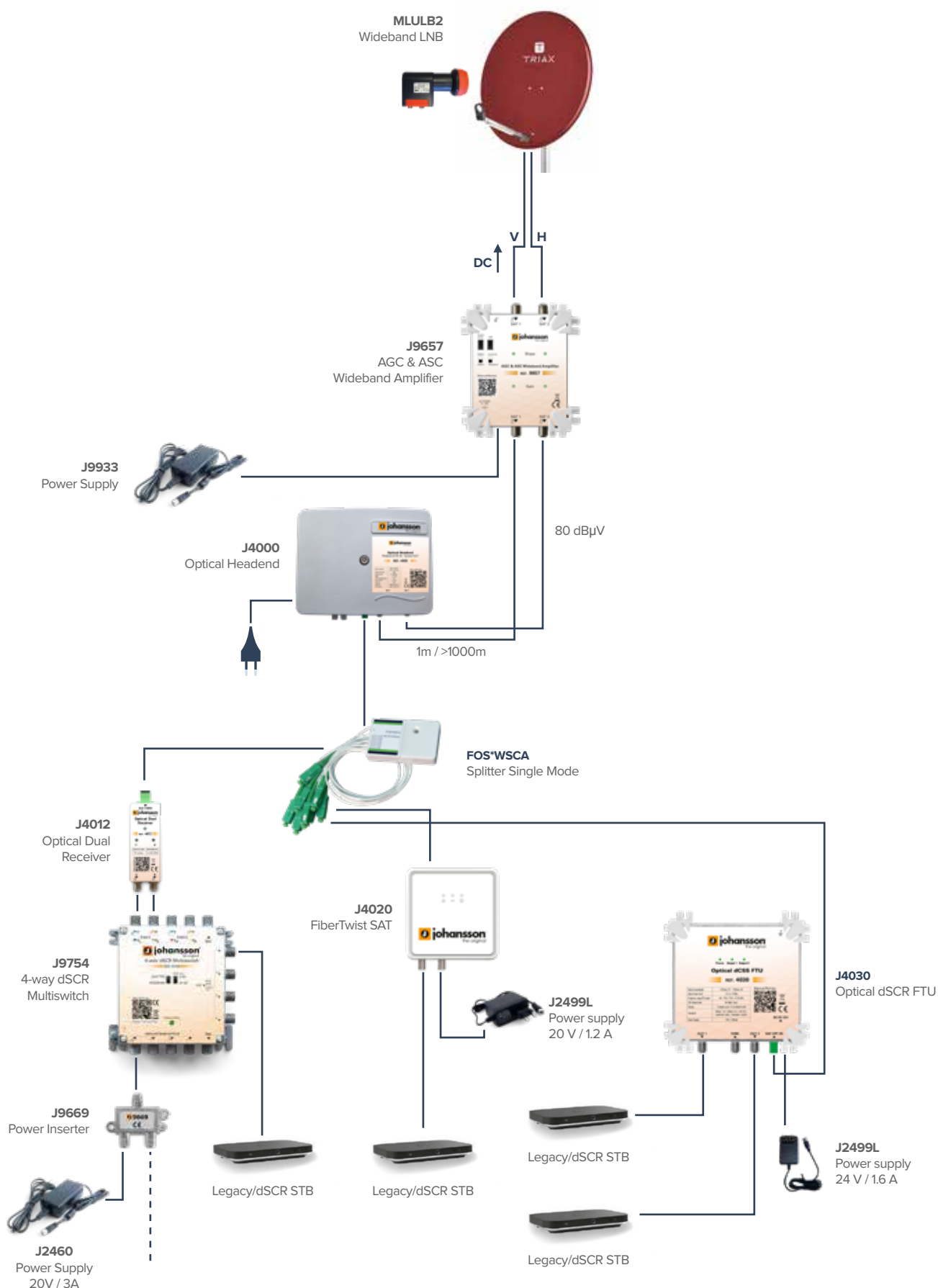
- Unique product in the market with high output power
- Optical wavelength: 1310 nm (V), 1330 nm (H), 1550 nm (T)
- Optical input level: -14 to +4 dBm
- 5 outputs:
 - Quad mode: 4 x dSCR/Legacy + TERR
 - Quattro mode: $V_L, H_L, V_H, H_H, TERR$ (serves as satellite output trunk)
- AGC on all output ports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

Fiber Optical Distribution



Fiber Optical Distribution



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. @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

MOTX90, MOTX120

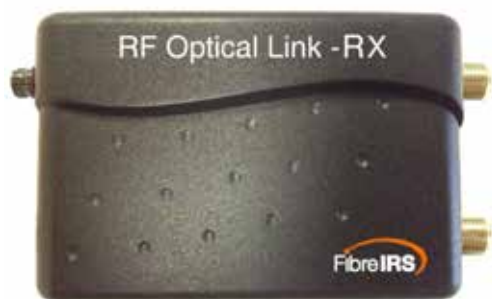


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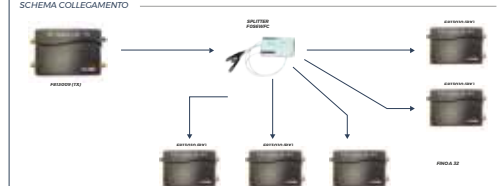
Trasmettitore TV RF ottico RACK 19": 7,8dBm / 9,0dBm / 12dBm,
47-862 Mhz, connettore uscita SC/APC (fibra Single Mode)

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)



F813009 (TX), F813010 (RX)
SCHEMA COLLEGAMENTO



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	

F926022, F925004, F926012



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F926022, 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	F926022	F925004	F926012
Frequenza			C120
Frequenza d'ingresso	10,7~12.75 GHz	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	0.950 ~ 3.0 GHz
Riallocazione banda (polarità orizzontale)	3.4 ~ 5.45 GHz	3.4 ~ 5.45 GHz	3.4 ~ 5.45 GHz
Polarizzazione lineare	Orizzontale e verticale	Orizzontale e verticale	Orizzontale e verticale
Fibra ottica			
Lunghezza d'onda	1310 nm	1310 nm	1310 nm
Uscita alimentazione ottica (nom. @25°C)	9.0 dBm	7.0 dBm	7.0 dBm
Variazione alimentazione in uscita	± 0.2 dBm	± 0.2 dBm	± 0.2 dBm
Massima suddivisione ottica in uscita	64	32	32
Perdita totale (nominale)	18.3 dB	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	0.5 / 1.1 dB
Figura di rumore (tip. oltre temp. max.)	0.7 / 1.3 dB	0.7 / 1.3 dB	0.7 / 1.3 dB
Guadagno			
Guadagno di conversione	72/62 dB	72/62 dB	72/62 dB
Variazione guadagno (-30 to +60°C)	± 2 dB	± 2 dB	± 2 dB
Piattezza del guadagno (0.95 - 5.45 GHz)	5 dB	5 dB	5 dB
Ondulazione del guadagno	≤ 0.5 dB	≤ 0.5 dB	≤ 0.5 dB
Oscillatore locale			
Frequenza (verticale/orizzontale)	9.75/ 7.3 GHz	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	-55 / -80 / -100 / -110 dBc Hz
Stabilità	± 1 MHz	± 1 MHz	± 1 MHz
Deriva della temperatura (-40°C ~ +60°C)	± 2 MHz	± 2 MHz	± 2 MHz
Deriva da invecchiamento (10 anni)	± 4 MHz	± 4 MHz	± 4 MHz
Generale			
Rigetto immagine (min.)	40 dB	40 dB	40 dB
Isolamento polarità (tipico/min.)	30/25 dB	30/25 dB	30/25 dB
Uscita spurie in banda (950MHz-3GHz, 3.4GHz-5.45GHz)	-25 dBc	-25 dBc	-25 dBc
Tensione (tensione di sopravvivenza nominale/massima)	12/ 25 V/DC	12/ 25 V/DC	12/ 25 V/DC
Consumo	< 450 mA	< 450 mA	< 450 mA
Ingresso DC	Tipo F femmina	Tipo F femmina	Tipo F femmina
Uscita ottica	FC/PC	FC/PC	FC/PC
Diametro supporto	Ø 40 mm	Ø 40 mm	Ø 40 mm
Temperatura d'esercizio	-30 +60 °C	-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 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



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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 / Quattro		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 (Quattro)	@ 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.**

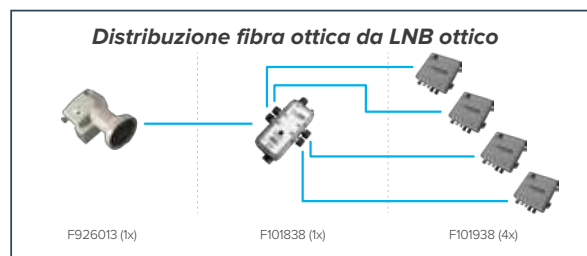
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KIT LNB + trasmettitore ottico: frequenza 950-5950 Mhz, uscita 2x32 PON (fibra Single Mode), alimentatore incluso.

Il Kit comprende: (1x) LNB ottico **F926013**, (1x) trasmettitore ottico **F101938**, (1x) cavo HF **F700318**.



F926013, F926019



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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
Figura di rumore (tip. @ 25°C)	0,7 dB	0,7 dB
Figura di rumore (max. @ 25°C)	<1.1 dB	<1.1 dB
Figura di rumore (typ. -30 @ +60°C)	0,9 dB	0,9 dB
Figura di rumore (max -30 @ +60°C)	<1,3 dB	<1,3 dB
Perdita di ritorno	9 dB	9 dB
Guadagno di conversione (@ 25°C)	63 dB	63 dB
Guadagno variazione (-30°C ~ +60°C)	± 2 dB	± 2 dB
Guadagno planarità (0,95~5,45 GHz)	6 dB	6 dB
Pendenza guadagno	<1 dB	<1 dB
LO Frequenza verticale	9,75 GHz	9,75 GHz
LO Frequenza orizzontale	7,30 GHz	7,30 GHz
LO rumore di fase (offset 1 kHz)	55 dBc / Hz	55 dBc / Hz
LO stabilità	± 0,5 MHz	± 0,5 MHz
LO scostamento termico (-40°C ~ +60°C)	± 2 MHz	± 2 MHz
LO usura e scostamento totale (10 anni)	± 4 MHz	± 4 MHz
Rifiuto immagine	40 dB	40 dB
Isolamento polarità (tip.)	30 dB	30 dB
Isolamento polarità (min.)	25 dB	25 dB
Uscita spurie (in banda)	30 dBc	30 dBc
Tensione di alimentazione (nominale)	6 VDC	6 VDC
Tensione di alimentazione	7 VDC	7 VDC
Consumo di corrente	<330 mA	<330 mA
Temperatura operativa	-30°C ~ +60°C	-30°C ~ +60°C

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.

F101938



• CEI 306-22
COMPLIANT •

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

F101938	
Satellite (elettrica)	
Gamma frequenza RF (V pol)	0,95~3,0 GHz
Gamma frequenza RF (H pol)	3,4~5,4 GHz
Impedenza nominale	50 Ohm
Perdita di ritorno	9 dB
Guadagno variazione (V pol : H pol)	4:7 dB
DTT, DAB e FM (elettrica)	
Gamma frequenza RF (DTT)	470~862 MHz
Gamma frequenza RF (DAB)	174~240 MHz
Gamma frequenza RF (FM)	88~108 MHz
Impedenza nominale	75 Ohm
Perdita di ritorno	10 dB
Gamma potenza totale (ingresso)	97 dBμV
Consigliato DTT (input)	80 dBμV
Guadagno variazione tra bande	4 dB
Figura di rumore (@ max gain)	10 dB
Rigetto (950~2150MHz)	15 dB
DTT, DAB e FM (ottico)	
Lunghezza d'onda ottica (laser)	1310 ± 20 nm
Potenza ottica (laser)	7,5 dBm
Caratteristiche elettriche	
Tensione di alimentazione	20V ± 0,5 V 0
Tensione di alimentazione (LNB)	6,2V ± 0,2V
Tensione (terrestre)	11,5V ± 0,5V
Corrente di alimentazione (max)	<80 mA
Consumo di corrente	<500 mA

F101831



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

F101831	
Specifiche RF	
Frequenza ingresso	0,95 ~ 5,45 GHz
Impedenza nominale	50 Ω
Perdita di ritorno Return loss	9dB
Guadagno nominale 0,95 ~ 3 GHz 3,4 ~ 5,45 GHz	0 dB ± 1 dB 0~1 dB ± 1 dB
Guadagno planarità V Pol H Pol	2dB 3dB
Guadagno (attraverso 30 MHz)	0,5dB
Figura di rumore	22dB
Isolamento tra due uscite	20dB
Specifiche DC	
Tensione di alimentazione	6,2V ± 0,1
Consumo corrente	< 230 mA
Generiche	
Temperatura d'esercizio	-30°C ~ 65°C
Misure	66x162x32mm
Peso	0,61 kg

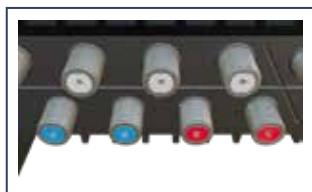
FD000406 - dCSS SwitchBlade Base Unit



FD000406

- FibreIRS FC/PC optical input
- Fully compatible with GI optical LNB, ODU32 & ODU32 (1550)
- 4 dCSS and 8 legacy outputs
- Compatible with SKY Q
- Space saving design - all connections on one side
- All units powered by a single PSU (included)

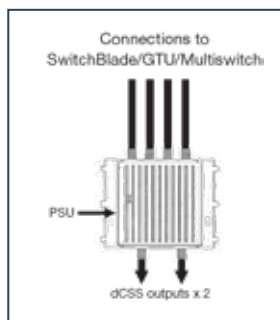
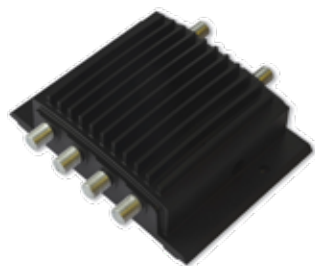
Introducing the new dCSS SwitchBlade from Global Invacom. Featuring 4 x dCSS outputs that support SKY Q and legacy SKY Set top Boxes, 8 x Legacy outputs that support multisatellite up to 4 satellites. SwitchBlade can be used in conjunction with both the ODU32 or Optical LNB. Compatible with existing 8 way SatPlus units. Connector inserts colour coded to aid identification of ports.



Blue = dCSS Port
Red = Programming ports (non utilize) /
White = Legacy/Multisat ports

FD000406	
Satellite (Electrical)	
Output RF frequency range	950 MHz ~ 2150 MHz
Output impedance	75 Ω
Return loss	10 dB min.
Gain variation across band	6 dB max.
Nominal output level legacy	78 dBμV (for 30 transponders)
Terrestrial rejection	30 dB
Control (TAB 1)	Legacy, SKY Q, EN50494, EN50607
DTT, DAB & FM (Electrical)	
RF frequency range: DTT DAB FM	470 ~ 790 MHz 174 ~ 240 MHz 88 ~ 108 MHz
Nominal impedance	75 Ω
Return loss	10 dB min.
Nominal DTT output	70 dBμV
Gain variation across band	3 dB
950 ~ 2150 MHz rejection	35 dB min.
DC Specification	
Input Voltage	12 V
Current consumption dCSS Base	1.9 A max.
Current from receiver	< 25 mA
DiSEqC	1.0
Dimensions	
Size	227 x 138 x 67.5 mm
Weight - dCSS base unit	1.212 kg
Connectors	
Input	FC/PC
Output	F type (female)
Power supply	2.1mm Jack
Environmental Specification	
Operating temperature	-20°C ~ +40°C
Storage temperature	-40°C ~ +70°C

FD000363 - dCSS Adapter



FD000363

- Supports SKY Q, Analogue SCR, Legacy, dCSS
- EN50494/EN50607 comms
- Discreet stylised design
- Compatible with all traditional multiswitches

Chan	Unicable I	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

Chan	Unicable II	Frequency
5	UB 5	985.0 MHz
6	UB 6	1050.0 MHz
7	UB 7	1115.0 MHz
8	UB 8	1275.0 MHz

Chan	Unicable II	Frequency
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

FD000363	
Inputs (Electrical)	
Input 1 RF frequency range	88 MHz ~ 1950 MHz
Input 2 RF frequency range	950 MHz ~ 1950 MHz
Input 3 RF frequency range	1100 MHz ~ 2150 MHz
Input 4 RF frequency range	1100 MHz ~ 2150 MHz
Impedance	75 Ω
Nominal input level	75 dBμV
Output (Electrical)	
Nominal impedance	75 Ω
Return loss	10 dB min.
Nominal output level	80 dBμV
Gain variation across band	6 dB max.
DC Specification	
Input Voltage	20 V
Current consumption	430 mA max.
Max supply current (inputs total)	500 mA
Max supply current (inputs per port)	250 mA
Dimensions	
Size	127 x 118 x 38 mm
Weight (unit only)	302 g
Connectors	
Input	F x 4
Output	F x 2
Power supply	2.1mm Jack
Standards	
Cenelec (TAB 1)	EN 50607
Cenelec (TAB 1)	EN 50494

LOHD59



LOHD59

- Transmit distance up to 60KM over Single mode, (Multi mode upto 300m) fiber module Single /Duplex fiber (Optional) cable.
- Support resolution upto 4kx2k@60hz, YUV4:4:4 HDR.
- Support bandwidth upto 18Gbps.
- Without latency.
- Support HDCP2.2 input, HDCP2.2 output.
- Support HDCP1.4 input, HDCP1.4 output.
- Support RS232 Bi-direction pass through.
- With Automatic EDID for rapid integration of source and display.
- Support LPCM 7.1, Dolby®True HD, DTS-HD Master Audio™ .
- Locking power supplies.
- Surface-mountable.

SPECIFICA	LOHD59
Operating Temperature Range	-5 to +40°C (+23 to +95°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Video Input (Transmitter)	1xHDMI Type A, 19-pin, female
Video Output (Receiver)	1xHDMI Type A, 19-pin, female
Link (Transmitter/Receiver)	1m ~ 60Km single Multi mode 300m single Duplex fiber optical cable
Module type required	SFP Type, Single/Multi mode, Single/Duplex fiber (optional)
Video Format	4K@60Hz YUV 4:4:4, 4K@60Hz, 1080P, 720P, 576P, 480P/VESA Resolution
Audio Format	Support LPCM 7.1, Dolby®True HD, DTS-HD Master Audio™
HDCP	HDCP 1.4 in, HDCP 1.4 out HDCP 2.2 in, HDCP 2.2 out
Power consumption	Transmitter: 3watts(Maximum) Receive: 3watts(Maximum)
Dimension (LxWxH)	Transmitter: 96 x 100 x 21mm Receiver: 96 x 100 x 21mm
Net Weight	475g (Pair)



LOHD59

SCHEMA COLLEGAMENTO



LOHD55



TVCC

PC

4K
ULTRA
HD

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



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

PRODOTTI CORRELATI



FALCPSD



FPLCLC2S3HD

LOHD55

SCHEMA COLLEGAMENTO



LOHD27



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

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

PRODOTTI CORRELATI



FA-FCP-SS



FOFAL****



COMPATIBILE!

LOHD27

SCHEMA COLLEGAMENTO



LOHD47



LOHD47

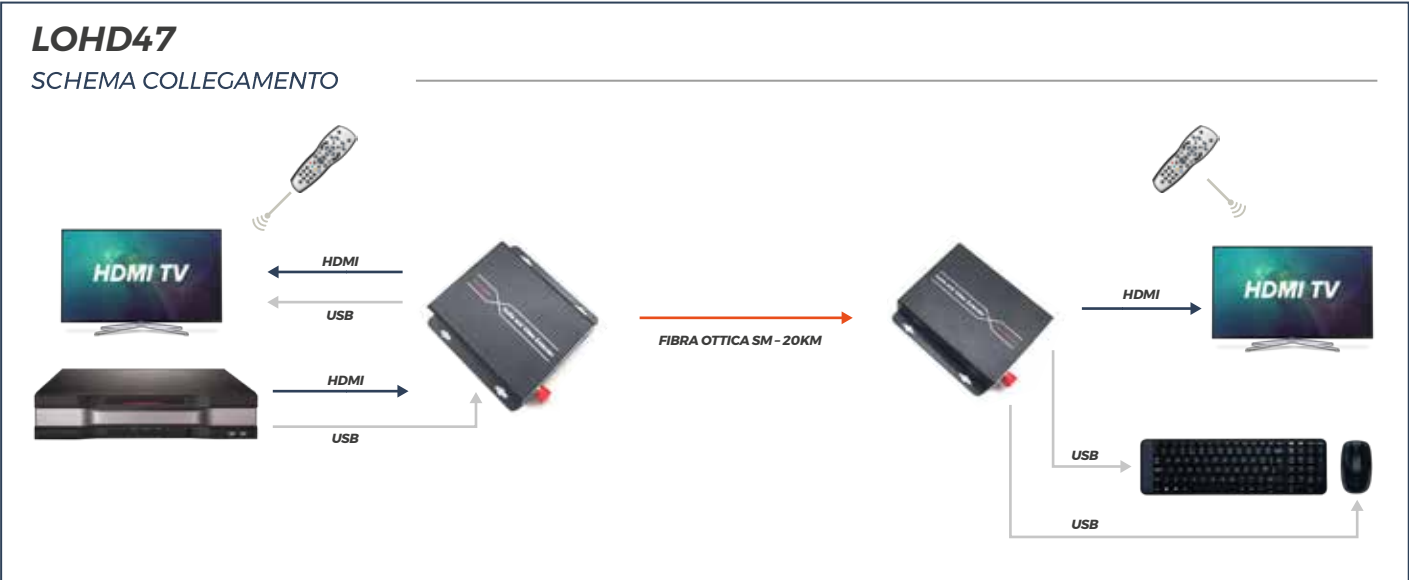
- Aluminum shell, small volume, lightweight design, more beautiful, strong anti-interference ability; wall-mounted type more convenient
- Using single Mode Fiber to transmit 20KM
- Video resolution up to 1920*1080@60Hz
- The sender supports HDMI local loop output
- Support USB with keyboard and mouse 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

SPECIFICHE	LOHD47
Video	
Standards	HDMI 1.3, HDCP 1.2
Pixel clock (max)	165MHz
Maximum Data Rate	6.75Gbps
Resolution Range	Max: 1920x1080@60Hz
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
Wavelength	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

SCHEMA COLLEGAMENTO



LOMCK1G86S, LOMCK1G44S



LOMCK1G86S

6 x



LOMCK1GSCS



LOMCK1G44S

4 x



LOMCK1GSCS

LOMCK1G86S (LOMCK1G44S)

- 8x1000Base-SX/LX to 2x10/100/1000Base-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 / IEEE802.3ab 1000Base-T / IEEE802.3z 1000Base-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 Length	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

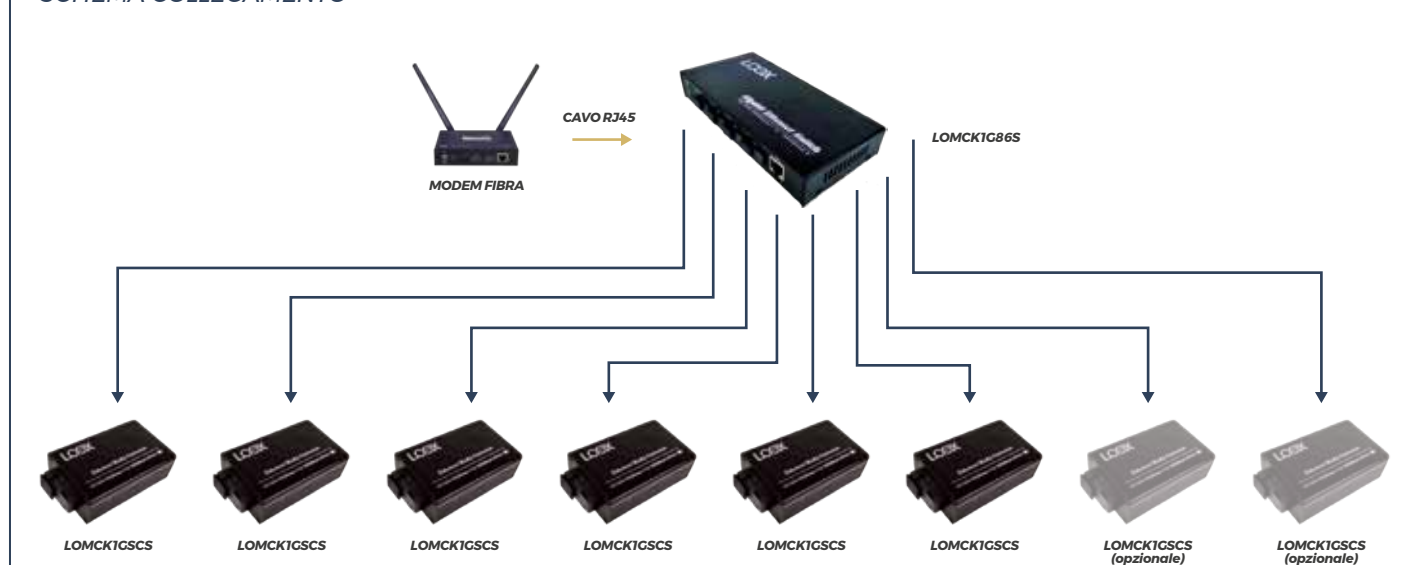
HOTEL

B&B

1GB

LOMCK1G86S

SCHEMA COLLEGAMENTO



LOMCK1GSCS (KIT)



LOMCK1GSCS

Kit composto di LOMCK1GSC53 e LOMCK1GSC35

- 1x1000Base-SX to 1x10/100/1000Base-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)
- 1x9 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

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)

SCHEMA COLLEGAMENTO



1 FIBRA OTTICA SINGLE MODE



LOMCGD1315-2L, LOMCGD4955-2L



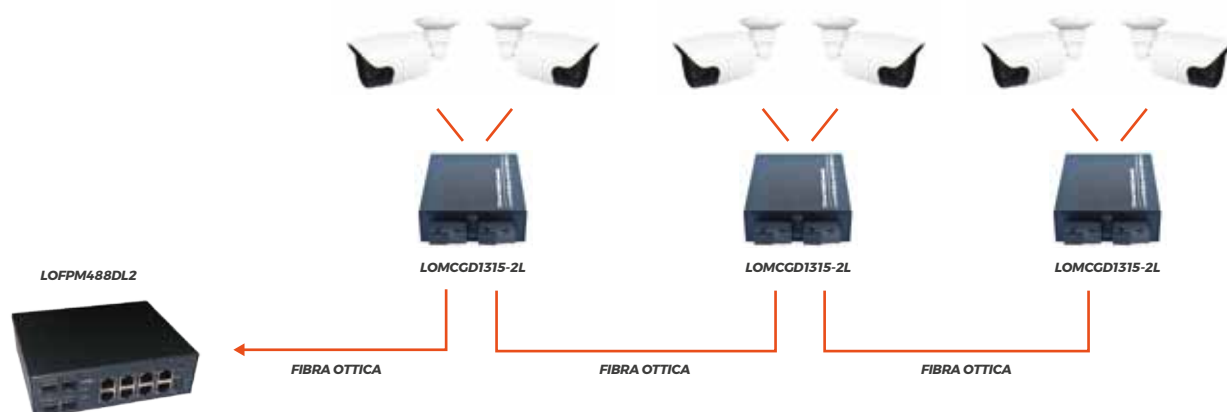
LOMCKGD1315-2L, LOMCGD4955-2L

- 2x10/100/1000Base-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

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	

LOMCGD1315-2L

SCHEMA COLLEGAMENTO



LOMCXESFP-N, LOLXG****



LOMCXESFP-N

LOLXG****

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.

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

LOMCGESFP-N, LOLG1****



LOMCGESFP-N

LOLG1****

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.

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



LOMC2RGESFP-N

LOMCXFESFP, LOLF1*****



LOMCXFESFP-N



LOLF1*****

LOMCXFESFP-N: 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.

SPECIFICHE	
Protocollo	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100Base-FX
Connessioni	
RJ45	1x10/100BaseT(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	1x100Base-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

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, and 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/SBICON / STS-12/STM-4 / 1x Fiber Channel / Gigabit Ethernet / 2x Fiber Channel / STS-48/STM-16 / 2.5 InfiniBand or PCI Express / 4x 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

LOR192PU14, LOR191PU12-N



LOR192PU14: contenitore x 14 Media converter Rack 19"
2 Unità 220Vac doppia alimentazione compatibile su tutti modelli LOMCxESFP.



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

LO591VTR1DFSW, LO592VTR1DFSW, LO91VTR1DFSW, LO92VTR1DFSW



5 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

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	

LO57xVTR1DFSW, LO7xVTR1DFSW



5 MP

LO571VTR1DFSW: TX+RX 1 canale, 5MP, AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data One Way, 1x Fibra Multi Mode, portata 800m.

LO572/574VTR1DFSW: TX+RX 2/4 canali, 5MP, AHD/TVI/CVI 1080P, 960H + 1 RS 485 Data One Way, 1x Fibra Multi Mode, portata 300m.

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		LO571 / 2VTR1DFSW	LO574VTR1DFSW
Modello	TX	RX	TX	RX	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	1x/2x BNC 1x RS-485	4 x BNC 1x RS-485
Uscita	fibra ST/PC	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				5 MP / 4 MP / 3 MP / 1080 P / 720 P / 960 H	
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				9/125u single mode	
Potenza in uscita tipica	-3~-9dBm				-8 ~ -3dBm	
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	

LOUSB3SMFC

SCHEMA COLLEGAMENTO



LO954 / LO958 AHD1D



LO954 / LO958 AHD1D:

- Plug and play, easy to install, compatible with 4U 19-inch LOOX series chassis.
- Support transmission of 4 channel AHD, HD-TVI, CVI, 960H or D1 signal and 1channel of RS-485 data though optical fiber.
- Each set of LO954 958 AHD 1D contains RX (receiving side) and TX (transmitting side).
- Support 4.0MP, 2.0MP, 1080P analog HD camera signal transmission.
- Support for 9/125um single mode fiber types.
- Support optical fiber transmission video signal distance 20KM.
- Supports fiber transmission rates of 3G.
- Supports both card and box types.
- For Card/Module type, user can use with LOOX RACK series 4U19" chassis (426x178x172mm) for future expansion.
- It has a single dual power input DC 12V 1A, including DC power input and Phoenix terminal for power backup.
- With power polarity reverse protection.
- Lightning protection level boost with 4KV surge protection.
- Support industrial wide temperature operating temperature -40 ° C to 75 ° C.
- MTBF (mean time between failures) > 50,000 hours.
- Have a safety certification CE or BSMI or FCC or UL certification.

SPECIFICHE	LO954 / LO 958 AHD1D	
Optical	TX	RX
Fiber Type	Single mode fiber	
Fiber Connector	SC/ST	
Distance	0km ~ 80km* Depends on the optical module selection. (Standard stock is 20km for single mode)	
Transmission rate	3G	
Wavelength	T1310nm, R1490nm.	T1490nm, R1310nm.
AHD/HD - TVI/CVI		
Input level	>500mVp-p	
Output level	1Vp-p	
Support Resolution	1920x1080(1080P), 1600 x 1200 (2.0MP), 2240 x 1680(4.0MP)	
Transmission Distance	2.0mp/4.0mp: 75-5 coaxial cable, 100m 1080p:75-5 coaxial cable, 300m 720p:75-5 coaxial cable, 500m	
Input / Output Impedance	75 Ω	
Physical Interface	BNC	
Data Transmission		
Signal	RS485	
Protocol	Unidirectional	
Data Rate	> 128 Kbps	
Transmission Distance	0 ~ 1200 m	
Connector Type	3-pin terminal block	
General		
Power Input	DC 12V, 1A	
Power Consumption	≤ 5W	
Unit Weight	Box: 760 g ; Module: 220 g	
Humidity	Operating: 5% ~ 90%	
Dimension	LO954 Box: 160 x 32 x 155 mm LO958 Box: 160 x 53 x 155 mm	

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	

Per completare il codice: X = T per TX TVI 1080P X = A per TX AHD 1080P X = C per TX CVI 1080P

- **LO11LAN:** Opzione porta di rete RJ 45 per trasmissione LAN 10/100
- **LO11AX:** Opzione ingresso Audio Mono/Stereo
- **LO11INC:** Opzione Contatto Normalmente aperto/chiuso

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	

LO31VTRDFSW



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

10/100 & 10/100/1000M DESK POE SWITCH FIBRA - MANAGED

LOFPS712FESC: Desk Switch 1 Uplink fiber Duplex SC/PC Single Mode + 2 porte RJ45, alimentazione POE af/at, alimentazione 220V/48V

LOFPS709GE: Desk Switch 1 Uplink 10/100/1000 + 1 porta RJ45 + 8 porte RJ45 10/100, alimentazione POE af/at, alimentazione 220V/48V

LOFPS714GESC: Desk Switch 1 Uplink fiber Duplex SC/PC Single Mode + 4 porte RJ45, alimentazione POE af/at, alimentazione 220V/48V

LOFPS728GE: Desk Switch 2 fiber SFP 1000 + 8 porte RJ45 10/100, alimentazione POE af/at, alimentazione 220V/48V

LOFPM128D: Mini Desk Switch 2 fiber SFP + 8 porte RJ45, alimentazione POE af/at, alimentazione 220V/48V

LOFPM244DL2: Mini Desk Switch Managed L2 - 2 fiber SFP + 4 porte RJ45, connettore LC, alimentazione POE af/at, alimentazione 220V/48V

LOFPM488DL2: Mini Desk Switch Managed L2 - 4 fiber SFP + 8 porte RJ45, connettore LC, alimentazione POE af/at, alimentazione 220V/48V



LOFPS728GE



LOFPM488DL2

SPECIFICA	LOFPM488DL2	LOFPM244DL2	LOFPS728GE
Standard	IEEE802.3 (10BASE-T), IEEE802.3u 100BASE-TX/FX (Fast-Ethernet), IEEE802.3x (Flow Control), IEEE802.1q, IEEE802.3af PoE/PSE		
10/100BASE-T	STP or UTP Category 5/5e/6 cable (Max.100m)		
Flow control	Full duplex-flow control, Half duplex-back pressure		
Fiber Port	4 x 1000M SFP port	2 x 1000M SFP port	1 x 1000M SFP port
RJ-45 Port	8 x 10/100/1000M Auto-MDI/MDIX	4 x 10/100/1000M Auto-MDI/MDIX	8 x 10/100M TJ45 ports, Auto-MDI/MDIX
Input Voltage	AC100 ~ 240V / 50-60HZ to 48V via external adapter		AC100 ~ 240V / 50-60HZ to 48V via internal adapter
Power Consumption	<2.5W (idle), 60W (full-load)		
PoE Pin Assignment	1/2 (V+), 3/6 (V-), 4/5 (V+), 7/8 (V-), optional		
PoE Output Voltage	-48V, 3A, 140W		-48V, 0.27A, 13W
Internet Protocol	IEEE 802.3i 10BASET IEEE 802.3u 100BASETX/at IEEE802.3z 1000BASE-SX/LX(Gigabit-Ethernet), IEEE 802.3x Flow Control IEEE 802.1af DTE Power via MDI IEEE 802.3af/at		IEEE 802.3i 10BASET IEEE 802.3u 100BASETX IEEE 802.3x Flow Control IEEE 802.1af DTE Power via MDI IEEE 802.3af
Bandwidth	40Gbps		9.2 Gbps
Packet buffer memory	2.75MB		
IP Address Database	4,000		
Buffer Size	1M		
Operation Temperature	0°C~55°C		
Storage Temperature	-20°C~75°C		
Storage Humidity	10% ~ 95%		
Dimension	294 x 180 x 44 mm		
Weight	1.5 kg (Gross Weight)		

SPECIFICA	LOFPS712FESC
Standard	IEEE802.3, IEEE802.3u, IEEE802.3x
Protocol	CSMA/CD
Fiber	1 x Single fiber or Dual fiber
Distance	Single fiber SM: 20-100km, Dual fiber MM: 1km, Dual fiber SM: 20-100km
Optical interface	SC (ST, FC)
Ethernet Interface	2 x MDI/MDIX RJ45 ports
Power Supply	DC5V 1A (external power)
Operating Temperature	0°C~50°C
Storage Temperature	-30°C~60°C
Humidity	5%~90% non-condensing
Dimension	158 x 100 x 27 mm
Weight	0.78 kg (Gross Weight)

RACK 19" FIBER SWITCH - UNMANAGED - MANAGED

LOFS121200GE: Rack 19": 48Gbps 24-port Switch 12 x1000 fiber ports SFP + 12RxJ45 10/100/1000Mbps Auto Sensing
LOFSM4532: Rack 19": 24-port Fiber Switch, 20-slot 100FX/GbE SFP, 4G Combo, 4-slot GbE SFP, L2+ Managed Switch



SWITCH FIBRA INDUSTRIALI SFP POE 10/100M

LOPC111FE: Industrial switch 1 fiber + 1 RJ45, LC, POE af/at, -40°C~+85°C
LOFP244FE: Industrial switch 2 fiber + 4 RJ45, LC, POE af/at, -40°C~+85°C
LOFP266FE: Industrial switch 2 fiber + 6 RJ45, LC, POE af/at, -40°C~+85°C



SWITCH FIBRA INDUSTRIALI SFP POE 10/100/1000M

LOFP122GE: Industrial switch 1 fiber + 2 RJ45, LC, POE af/at, -40°C~+85°C
LOFP244GE: Industrial switch 2 fiber + 4 RJ45, LC, POE af/at, -40°C~+85°C
LOFP266GE: Industrial switch 2 fiber + 6 RJ45, LC, POE af/at, -40°C~+85°C
LOFP288GE: Industrial switch 2 fiber + 8 RJ45, LC, POE af/at, -40°C~+85°C
LOFP444GE: Industrial switch 4 fiber + 4 RJ45, LC, POE af/at, -40°C~+85°C
LOFP488GE: Industrial switch 4 fiber + 8 RJ45, LC, POE af/at, -40°C~+85°C



ALIMENTATORI PER SWITCH FIBRA INDUSTRIALI



LOP24V2A: alimentatore Din Rail AC220V a 24V 2,0Ah non utilizzabile per gli switch serie POE

LOP52V2A: alimentatore Din Rail AC220V a DC52V2A, -40°C~+85°C, adatto per serie POE >4port

LOP52V4A: alimentatore Din Rail AC220V a DC52V4A, -40°C~+85°C, adatto per serie POE >8port

LOC52V2A: alimentatore AC220V a DC52V2A, -40°C~+85°C, misure 195×60×39mm, adatto per serie POE >4port

LOF52V4A: alimentatore AC220V a DC52V4A, -40°C~+85°C, misure 195×60×39mm, adatto per serie POE >8port

SWITCH FIBRA INDUSTRIALI SFP 10/100/1000M



LOMC110GE: Industrial switch 1 fiber + 1 RJ45, LC, -40°C~+85°C

LOFS140GE: Industrial switch 1 fiber + 4 RJ45, LC, -40°C~+85°C

LOFS240GE: Industrial switch 2 fiber + 4 RJ45, LC, -40°C~+85°C

LOFS280GE: Industrial switch 2 fiber + 8 RJ45, LC, -40°C~+85°C

LOFS480GE: Industrial switch 4 fiber + 8 RJ45, LC, -40°C~+85°C

SPECIFICA	LOFS480GE	LOFP244FE	LOFP488GE
Product Name	10/100/1000Mbps Industrial Fiber Switch (4F+8TP)	10/100Mbps Industrial POE Fiber Switch (2F+4TP)	10/100/1000Mbps Industrial POE Fiber Switch (4F+8TP)
Model No.	LOFS480GE	LOFP244FE	LOFP488GE
Port	4 x 1000Mbps SFP ports 8x10/100/1000M UTP RJ45 (Support MDI/MDIX auto-sensing)	2 x 100Mbps SFP ports 4x10/100M UTP RJ45 (Support MDI/MDIX auto-sensing)	4 x 1000Mbps SFP ports 8x10/100/1000M UTP RJ45 (Support MDI/MDIX auto-sensing)
Switching features	Transmission mode: storage and forward System bandwidth: 40Gbps (non-traffic jam)		
Network media	10BASE-T: CAT3, CAT4, CAT5 un-shielded twisted pair (≤100m) 100/1000BASE-TX: CAT5 or above shielded twisted pair (≤100m), SFP port	10BASE-T: CAT3, CAT4, CAT5 un-shielded twisted pair (≤100m) 100BASE-TX: CAT5 or above shielded twisted pair (≤100m), SFP port	10BASE-T: CAT3, CAT4, CAT5 un-shielded twisted pair (≤100m) 100/1000BASE-TX: CAT5 or above shielded twisted pair (≤100m), SFP port
LEDs	Power, network, fiber		
Power Supply	Input voltage: DC 9-52V No-load power: 5W Reverse connection: support	POE power supply input voltage: 48V (max 52V), Single PoE power supply output power: 15.4W (port 1~4) (802.3at standards required special instructions)	POE power supply input voltage: 48V (max 52V), Single PoE power supply output power: 15.4W (port 1~8) (802.3at standards required special instructions)
Environment	Working temperature: -40°C ~ 85°C Working humidity: 10% ~ 90%, non-condensing		
Industry Standards	EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A EMS: EN 61000-4-2 (ESD) Level 3, EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS) Level 3, EN 61000-4-8 Traffic Control: NEMA-TS2 Vibration: IEC 60068-2-6 Freefall: IEC 60068-2-32 Shock: IEC 60068-2-27 Rail Traffic: EN 50121-4		
Safety	CE Mark, commercial CE/LVD EN60950		
Mechanical information	Shell: Corrugated metal shell Safety class: IP44 Dimension: 158 x 114.8 x 60mm Mounting method: Din-rail mounting		
Warranty	Replacement within 1year; 5 years repairing		

SWITCH FIBRA INDUSTRIALI “MANAGED” POE 10/100/1000M SFP



LOFSM240GM: Managed Industrial switch , 2 fiber + 4RJ45, LC, POE af/at, -40°C~+85°C

LOFSM280GM: Managed Industrial switch , 2 fiber + 8RJ45, LC, POE af/at, -40°C~+85°C

LOFSM440GM: Managed Industrial switch , 4 fiber + 4RJ45, LC, POE af/at, -40°C~+85°C

LOFSM480GM: Managed Industrial switch , 4 fiber + 8RJ45, LC, POE af/at, -40°C~+85°C

SPECIFICA	LOFSM440GM
Product Name	Managed 10/100/1000Mbps Industrial POE Fiber Switch (4F+4TP)
Model No.	LOFSM440GM
Port	4 x 1000Mbps SFP port 4 x 10/100/1000M UTP RJ45 (Support MDI/MDIX auto-sensing)
Switching features	Transmission mode: storage and forward System bandwidth: 40Gbps (non-traffic jam)
Network media	10BASE-T: CAT3, CAT4, CAT5 un-shielded twisted pair(≤100m) 100/1000BASE-TX: CAT5 or above shielded twisted pair(≤100m)
LEDs	Power, network, fiber
Power supply	POE power supply input voltage: 48V (max 52V), Single PoE power supply output power: 15.4W (port 1~4) (802.3at standards required special instructions)
Environment	Working temperature: -40°C ~ 85°C Storage temperature: -40°C ~ 85°C Working humidity: 10% ~ 90%, non-condensing Storage humidity: 10% ~ 95%, non-condensing
Industry Standards	EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A EMS: EN 61000-4-2 (ESD) Level 3, EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS) Level 3, EN 61000-4-8 Traffic Control: NEMA-TS2 Vibration: IEC 60068-2-6 Freefall: IEC 60068-2-32 Shock: IEC 60068-2-27 Rail Traffic: EN 50121-4
Safety	CE Mark, commercial CE/LVD EN60950
Mechanical information	Shell: Corrugated metal shell Safety class: IP44 Dimension: 158 x 114.8 x 60mm Mounting method: Din-rail mounting
Warranty	Replacement within 1year; 5 years repairing

