



## MLS-2O4T-S

### 2xSFP Fiber Switch/Media Converter

#### Product Description

##### ■ High quality, cost-effective solution

Easy convert from RJ45 Interface to Fiber Network. It's easy help to make Exist Ethernet Switch RJ45 port upgrade to Fiber port. MLS-2O4T-S is GigaBit Ethernet Convert, easy to convert 10/100/1000 Base-T to 100BaseFX /1000Base-X Fiber-optical network. Fiber port can install different type SFP/WDM/Single-Mode/Multi-Mode/Distance/Operation Temperature GBIC modules.

##### ■ Efficient use of fiber-optic network to extends transmission distance

Ultra-high-speed fiber convert. MLS-2O4T-S was use of fiber optic cable, in line with Gigabit performance. MLS-2O4T-S series offers an optional 2xSFP interface, to cope with different fiber specifications or communication distance needs, such as multi-mode and single-mode (550M / 10Km), or any other communication distance and wavelength (30 / 40 / 50 / 70 / 120KM) and a single fiber optic cable connector (WDM / BIDI, 15 / 60KM) in line with a variety of fiber optic applications.

##### ■ Smart to Enhanced fiber connection management function

MLS-2O4T-S provides Smart-Link function. When the optical fiber connected to the 100FX, it can automatically set to 100Mbps, while if the fiber is connected to the 1000Base-X, it will also automatically set to 1000Mbps.

##### ■ Dual standby power input/output capability

MLS-2O4T-S use wide power input with dual power input and output functions. In the CO side MLS-2O4T-S equipment easy stacking uses a single power input function.

#### Key features

- ◆ Green Product, Power Consumption less than 5Watts.
- ◆ Two SFP Fiber port provide 100FX/1000Base-X Smart-Link Function.
- ◆ Support Wide DC Voltage Input from 5 to 56V.
- ◆ Support Wide Operating Temperature from -20°C to 70°C (-4°F ~ 158°F) Non-condensing.

#### Product Application Diagram

#### MLS-2O4T-S, Product Feature



- 1.) Provide fiber multimode to single mode Convert.
- 2.) Can be used as an optical repeater node.
- 3.) Can be used as a computer room for expansion, providing two optical fiber connection capabilities.
- 4.) It can be used in FTTx node, provide 4x TP Ethernet port.
- 5.) **Two SFP Fiber port provide 100FX/1000Base-X SmartLink Function**
- 6.) Support Wide DC Voltage Input from **5 to 56V**.
- 7.) Green Product, Power Consumption less than 5 Watts.
- 8.) Support Wide Operating Temperature from **-20°C to 70°C (-4°F ~ 158°F)** Non-condensing.
- 9.) Steel Wall Mount case, fan less design. Meet in harsh industrial environment.

Product Model	2xSFP Fiber Switch/Media Converter
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### Technical Specifications

#### Hardware

Connector Interface :	3x 10/100/1000 Base-T RJ45 TP 及 1x Combo UTP 2x SFP socket 1x DC Jack 1x Terminal Block for DC IN/OUT
Indicators :	1x Power LED 5x Port Link/Act Dual Color LED
Power Protection : (Surge)	IEC 61000-4-2 level 4 (ESD) , 15 kV (air discharge), 8kV (contact discharge) IEC-61000-4-5 MIL STD 883G, method 3015-7 Class 3B, -25kV HBM(human body model)
Device Installation :	Wall Mountear Steel Case
Dimension( Main Unit) :	165mm(W) x 96mm(D) x 30mm(H)
Weight( Main Unit) :	344 g
Power Requirement :	External Power Supply: DC 5V~56V Power Consumption: <5 Watts

#### Network Standards

Network Standards :	IEEE802.3 10BASE-T IEEE802.3u 100BASE-T IEEE802.3ab 1000Base-T IEEE802.3x Full Duplex and Flow Control IEEE802.3az-2010 (Energy Efficient Ethernet) IEEE802.3z 1000Base-X (1000Mbps) IEEE802.3x 100Base-FX (100Mbps) MDI/MDI-X Auto Crossover
Packet Handle :	Operate in store and forward mode
MAC address :	Support 2K MAC address entries
Flow Controller :	Back pressure for half duplex IEEE 802.3x Pause Frame for full duplex, Non-blocking & Non-head-of-line blocking full-wire speed forwarding.
Backplaneswitching Capacity :	10Gbps
Support Maximum Packet size :	9K Jumbo Frame
Emissions Compliance :	FCC part 15 Class B, CE Mark
Stability Testing :	IEC60068-2-27(Shock) IEC60068-2-6(Vibration)
Environmental Conditions:	Operating Temperature : -20℃ ~ 70℃ (-4°F ~ 158°F) Storage Temperature : -20℃ ~ 70℃ (-4°F ~ 158°F) Operating Humidity :10% ~ 90%, Non-condensing. 20-80% (Storage)

### Ordering Information

MLS-2O4T-S-12	Wall Mont Steel Case , 2xSFP Fiber Switch/Media Converter x1, DC12V Adaptor x1
MLS-2O4T-S-36	Wall Mont Steel Case , 2xSFP Fiber Switch/Media Converter x1, DC36V Adaptor x1
MLS-2O4T-S	Wall Mont Steel Case , 2xSFP Fiber Switch/Media Converter x1
1.25G-SFP-MM-C	1.25G, MM 850nm, 550M, 0~75℃, Dual LC
1.25G-SFP-SM-C	1.25G, SM 1310nm, 10Km, 0~75℃, Dual LC
1.25G-SFP-BIDI-TR	1.25G, SM 1310nm, 20Km, SC, T13/R15+T15/R13, Twin SFPs.

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