

10/100/1000M LC PoE Industrial Media Converter



Techlogiks above media converter is a new generation Power over Ethernet Industrial media converter with 1-Port 10/100/1000Base-TX and 1-Port 1000Base-FX Fast SFP that provide stable and reliable Ethernet transmission offered by Fiber Road, with high quality design and reliability. It is positioning in the broadband network intervention market, to offer and realize Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

With dual power input design, above media converter can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 75°C. Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many militaries and utility market applications where environmental conditions exceed commercial product specifications.

Features:

- 1x10/100/1000Base-TX RJ45 ports, 1x1000Base-FX Fast SFP ports, 1xPoE
- Support Auto-MDIX, and full/half duplex self-negotiation mode
- Provide SC/FC/ST/LC interface fiber port, support single/dual fiber transmission
- Support 10K bytes giant frame, compatible with various extension protocol
- 8K MAC address table
- Support IEEE802.3az energy efficient Ethernet technology
- Support IPv6 Protocol



- Electric 8KV surge protection, easy to use in outdoor environment
- Complete status indicator, working state at a glance
- Power input polarity protection design, no worry about wrong operation
- Metal case, no fan design
- Installation method: DIN trail /Wall mounting

Product Specifications:

Physical Port	
RJ45 port and speed	1x10/100/1000Base-TX/1xPoE
Fiber port and speed	1x1000Base-FX SFP
Parameters	
Ethernet standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3Qad IEEE802.3ah IEEE802.1X IEEE802.1Q IEEE1588
Packet buffer	2Mbits
Maximum packet length	Up to10k Bytes
MAC address table	8K
Transmission mode	Store and Forward (full/half duplex mode)
Exchange property	Delay time: < 7μs Backplane bandwidth: 1Gbps Packet forwarding rate: 148810 (64Byte)
PoE	
PoE standard	1x IEEE 802.3af /IEEE 802.3at PoE
Power budget	Max. PoE output power budget 30W
LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle Speed light: 100Mbps-always; 10Mbps-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle
Power Information	
Power access mode	Phoenix terminal, DC seat
Redundant power input	DC 9-56V, DC 5V
Overload protection	Yes
Power reverse	Support
Power consumption	Full-load<15W

MEDIA CONVERTER



Physical Property	
Protection grade	IP40 aluminum case
Cooling mode	Natural cooling, no fan design
Dimensions	120mm x 87mm x 35mm (L x W x H)
Installation mode	DIN rail/wall-mountable
Weight	500g
Working Environment	
Operating Temperature	-40°C~75°C
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40°C~85°C
Standards	
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A
EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1

Ordering Information

Part Number	Description
TL-MCI-1000-POE-1RSFPM0.55	10/100/1000M 550m Multimode Din rail or Wall mount SFP port POE Industrial Media Converter, IP40
TL-MCI-1000-POE-1RSFPM20	10/100/1000M 20Km Singlemode Din rail or Wall mount SFP Port POE Industrial Media Converter, IP40

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