

MC-1000AS-RJ45-SFP-EU

10/100/1000Base-TX(RJ-45) to Open SFP Port Media Converter

Features

- Conversion between auto-adaptation 10Base-T, 100Base-TX or 1000Base-T and 1000Base-SX/LX, full duplex 1000M working pattern.
- With distinct HIC solution, low-temperature-rise chip, no need of cooling system, realization of flow control, decrease of broadcast storm.
- With famous brand optical-electronic-integration module providing excellent optical and electrical properties to ensure reliable data transmission and long working life.
- Supporting broadcast filtering, address auto-learning and auto-updating, and store-and-forward operating mechanism.
- Supporting full-duplex flow control or half-duplex back pressure working pattern, along with Auto-negotiation.
- Providing indicator lamps for link-loss, electrical and optical link diagnosing, dynamic data transmission and full/half duplex, data rate.
- With more than 50,000 hours MTBF, complying with telecom operating standard.
- Supporting choosing optical ports from dual fiber(MM), dual fiber(SM), single fiber(SM).



Product Description

This is a media converter that converts a 10/100/1000Base-TX(RJ-45) to 1000Base-X via an open SFP port. The open SFP port allows users to customize between the SX, LX, or BX connections. This media converter provides a cost effective conversion from 10/100/1000Base-TX(RJ-45) to 1000Base-X, while extending the network reach beyond the 100m reach limitation of copper. Our media converters and network interface cards are 100% compliant for all of our networking needs. Now you have a cost effective solution to your network upgrade needs.

Specifications

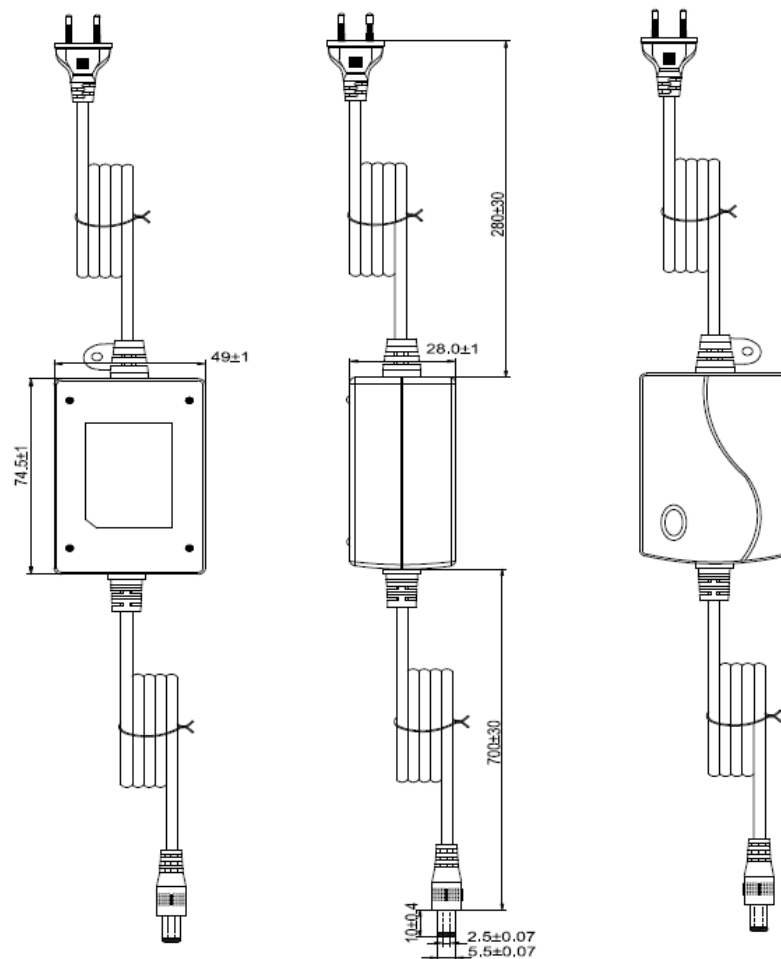
Parameter	Specifications
Access Method	10/100/1000Mbps
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.1q, IEEE802.1p, IEEE802.1d
Wavelength	850m/1310nm/1550nm
Distance	Dual Fiber MM: 550m Dual Fiber SM: 10/20/30/50/80km Single Fiber SM: 20/40/60km Cat5: 100m
Conversion Method	Media Conversion
Time Delay	<10us
BER	<1/1000000000
LED Indicator Lamps	1000M, 100M, FX LINK/ACT, TP LINK/ACT, FDX, Power
Power Supply	DC5V 1A (External Power)
Power Dissipation	3W
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 70°C
Humidity	10-90% (Non-Condensing)
Dimensions	94mm x 71mm x 26mm

Power Supply Specifications

Parameter	Characteristic	Notes
Environmental		
Storage Temperature	-40°C to 60°C	
Storage Relative Humidity	5 to 95%	
Operating Temperature	-40°C to 50°C	
Operating Relative Humidity	20 to 90%	
Electrical Performance		
Rated Input Voltage	100-240VAC	
Operating Range	90-264VAC	
Rated Input Frequency	50/60Hz	
Inrush Starting Current	≤60A	220VAC Cold Start Full Load
Maximum Input Current	≤0.3A	
Average Efficiency	≥70.8%	For 230VAC
Power Factor	≥0.4	
Maximum no-load power	≤0.15W	115 OR 230VAC
Input-Output	3750VAC. Current 10mA max(at 25°C) the product to the insulation under test is gradually raised from zero to the prescribed voltage and held at the value for 2s	
Insulation Impedance	≥30MΩ/500VMC	
MTBF	30000H Minimum	
Output Characteristics		
Rated Output Voltage	5VDC	
Output Voltage Range	4.8-5.35VDC	
Rating Load Current	1A	
Load Current Range	0-1A	
Maximum Capacity Load	3000μF	Cold Position
Line Regulation	The line regulation is less that ±5% while measuring at rated load and ±10% of input voltage changing	
Load Regulation	The load regulation for output is less that ±5% at measured output load from 10% to 100% rated load	
Ripple and Noise	≤120mVpp Measured is done by 20MHZ bandwidth oscilloscope and output paralleled a 0.1μF ceramic capacitor and a 10μF electrolysis capacitor. Test under the condition of rated input and rated output.	
Turn on Delay Time	3000ms. At nominal input AC voltage and full load	
Hold Up Time	5ms minimum at nominal input AC voltage and full load	
Output over-shoot	Less that 10% of nominal voltage value	
Protection Function		

Over Current Protection	1.1 to 1.8A	
Over Voltage Protection	IC Primary Feedback Protection	
Short-Circuit Protection	The charger is protected that a short happened between the output terminals and shall not result in a fore hazard, and damage to this charger and will be normal operation automatically while the short is removed	

Mechanical Specifications



1	DC Cord	2464, 24AWG, 300V, 80°C, L=700mm±30mm
2	AC Cord	2Pin, 300V, 105°C, L=280mm±30mm
3	DC Plug	5.5*2.5*10mm, H-Type
4	Color	Black
5	Weight	110

About ProLabs

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.



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