

C-GMC-SFP-EU

10/100/1000Base-TX(RJ-45) to Open SFP Port Media Converter With EUR Standard Power Supply

Features

- 10/100/1000Base-TX (RJ-45) to 1000Base-X conversion via an Open SFP Port
- Support IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX standards
- SC/FC/ST /LC optional
- DIP switch to set different configurations
- LFP (Link Fault Pass-through) support



Product Description

This is a media converter that converts a 10/100/1000Base-TX(RJ-45) to 1000Base-X via an open SFP port with EUR standard power supply. 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.

Media Converter Specifications

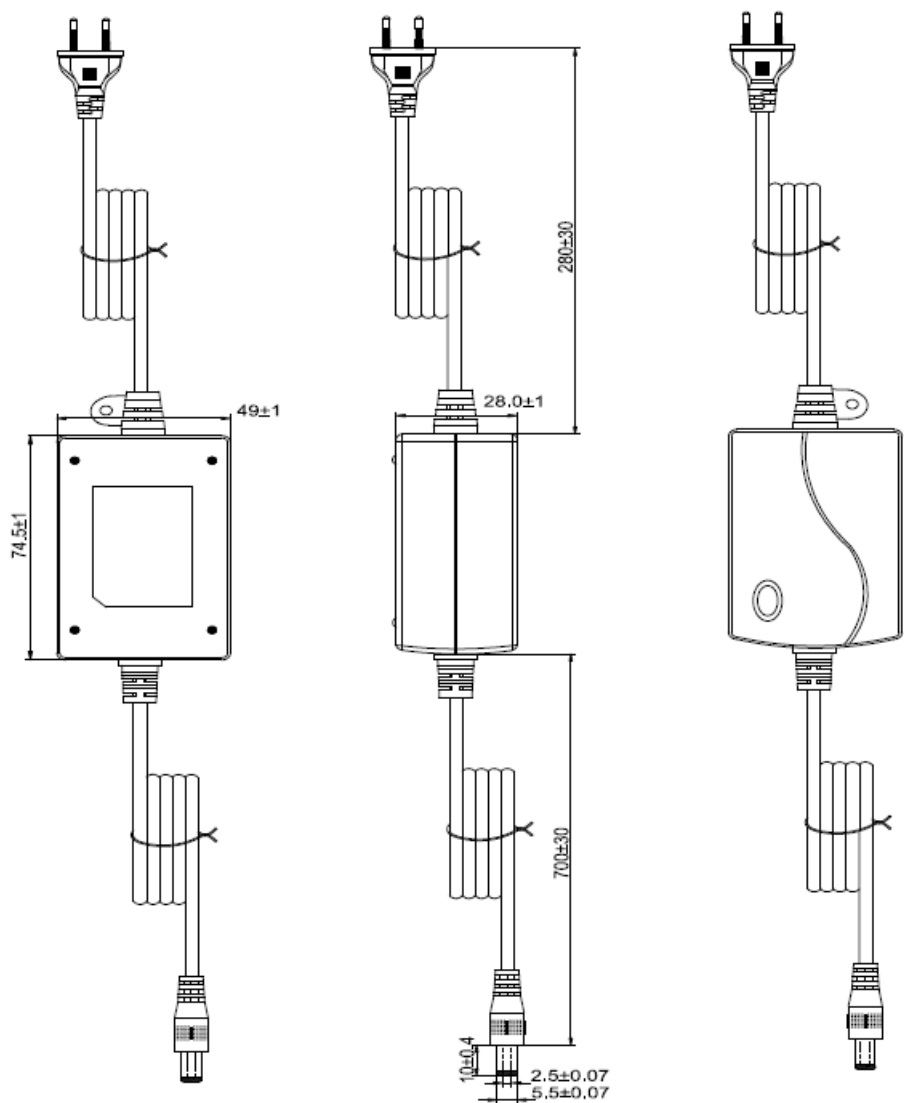
Parameter	
Access Method	1Gbs
Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, 100GBase-FX
Wavelength	850m/1310nm/1550nm
Distance	Multi-Mode: 550m, 2km Single-Mode: 20/40/60/80/100/120km Cat-5 Twisted Pairs: 100m
Flow Control	Full Duplex: Flow Control Half Duplex: Back Pressure
Input Voltage	DC 5V to 12V
Power Consumption	<3W
Operating Temperature	0°C to 50°C
Operating Humidity	5-90%
Maintaining Temperature	-40°C to 70°C
Humidity	5-90% (Non-Condensing)
Dimensions	60mm (W) x 20mm (H) x 90mm (L)

Power Supply Specifications

Parameter	Characteristic	Note
Environmental		
Storage Temperature	-40°C to 60°C	
Storage Relative Humidity	5-95%	
Operating Temperature	-40°C to 50°C	
Operating Relative Humidity	20-90%	
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 maximum (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 than ±5% while measuring at rated load and ±10% of input voltage changing.	
Load Regulation	The load regulation for output is less than ±5% at measured output load from 10% to 100% rated load.	
Ripple and Noise	≤120mVpp Measured 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 than 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 so that, if a short occurs between the output terminal, it shall not result in a fire hazard, and damage to this charger will be normal operation automatically while the short is removed.	
Mechanical Characteristics		
Strain Relief Test	Distance plug of 30 cm SR position to impose a 10 pound weight, 1 minute after the shift is less than 2mm.	
Cord Bending Test	The cord can withstand a weight of 250G, swinging from left to right at an angle of 120 degrees, 40 cycle/min, 1000 times minimum. The cord shall be conductive.	

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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