**C-GMC-SFP-POE**

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

**Features**

- Convert 10/100/1000Base-TX UTP to 1000Base-FX fiber media
- IEEE802.3at / IEEE802.3af PoE PSE compatible
- Built-in AC/DC power supply
- Over-current protection
- Choice of SC, LC, BX or other connectors for multimode and single mode
- 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 connector. 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. This AC/DC powered PoE media converter is a Power Sourcing Equipment (PSE), which combines data transferred over a fiber optic link with 48V (or other voltage) power supply, providing power to IEEE802.3af powered device (PD) over CAT5 and up UTP cable (cable length up to 100 meters / 330 feet). It complies with the IEEE802.3af standard. The converter includes a single port PSE controller, which offers PD signature sensing and power monitoring features. Other features include over-current protection and LFP function. The LFP (Link Fault Pass-through) allows the media converter to monitor both the fiber and copper RX port for loss of signal. In case of a loss of RX signal on one media port, the converter will automatically disable the TX signal to the other media port, thus passing through the link fault. 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 | PoE Media Converter |
|---|---|
| Data Rates | 10/100/1000Mbps (IEEE802.3U, IEEE802.3Z 1000Base-Tx) |
| | 1000Mbps (1000Base-Fx) or 1000Mbps (100Base-Fx) |
| **Input Power Requirements** | |
| Input Voltage | 100VAC to 240VAC |
| Input Frequency | 47Hz to 63Hz |
| **Power Over Ethernet Output** | |
| Pin Assignment and Polarity | |
| For IEEE802.3af Standard | 1/2 (V+), 3/6 (V-) |
| For IEEE802.3at Standard (30 Watts Maximum) | 1/2 (V+), 3/6 (V-) |
| For IEEE802.3at Standard (50 Watts Maximum) | 1/2/4/5 (V+), 3/6/7/8 (V-) |
| Efficiency | 75% Minimum |
| Short Circuit Protection | Auto Recovery |
| Over Current Protection | Auto Recovery |
| **Environmental Conditions** | |
| Operating Temperature | 0ºC to 50°C |
| Cooling | Free Air Convection |
| Storage Temperature | -20°C to 85°C |
| Operating Humidity | 90% Maximum (Non-Condescending) |
| **Mechanical Specifications** | |
| Case Material | Iron |
| Case Color | Black |
| Net Weight | 560g Approximately Per Unit |
| Dimensions | 110mm(W) x 40mm(H) x 140mm(L) |
| **Connectors** | |
| AC Inlet | IEC-J-4 |
| LAN | Shielded RJ-45 |

**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.

**Contact Information**

ProLabs US

Email: sales@prolabs.com

Telephone: 952-852-0252


ProLabs UK

Email: salessupport@prolabs.com

Telephone: +44 1285 719 600