**ADD-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 (30Watts Maximum)** | 1/2 (V+), 3/6 (V-) |
| **For IEEE802.3at Standard (50Watts 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** | 0 to 50°C |
| **Cooling** | Free Air Convection |
| **Storage Temperature** | -20 to 85°C |
| **Operating Humidity** | 90% Maximum (Non-Condensing) |
| **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 AddOn Networks**

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is in engrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.


**U.S. Headquarters**

Email: sales@addonnetworks.com

Telephone: +1 877.292.1701

Fax: 949.266.9273

**Europe Headquarters**

Email: salessupportemea@addonnetworks.com

Telephone: +44 1285 842070