**ADD-IGMC- SFP-POE+**

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

**Features**

- 1x10/100/1000Base-TX RJ45 ports, 1x1000Base OPEN SFP
- Support Auto-MDIX, and full/half duplex self-negotiation mode
- Provide SC/FC/ST/LC interface fiber port, support single/dual fiber transmission
- Support 16K bytes giant frame, compatible with various extension protocol
- 8K MAC address table
- Support IEEE802.3az energy efficient Ethernet technology
- Support IPv6 Protocol
- Electric 4KV 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 Description**

This is an industrial POE 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 industrial grade product includes a terminal block and does not come with a power plug. This 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, 30 watts max, providing power to IEEE802.3at powered device (PD) over CAT5 and up UTP cable (cable length up to 100 meters / 330 feet). It complies with the IEEE802.3at 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

| Physical Port | |
|---|---|
| **RJ45 Port and Speed** | 10/100/1000Base-TX |
| **Fiber Port and Speed** | 1000Mbps Open 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** | 4Mbits |
| **Maximum packet length** | Up to 1532Bytes |
| **MAC address table** | 8K |
| **Transmission mode** | Store and Forward (full/half duplex mode) |
| **Exchange property** | Delay time: < 7µs<br>Backplane bandwidth: 1Gbps<br>Packet forwarding rate: 148810 (64Byte) |
| **PoE** | |
| **PoE standard** | 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<br>Speed light: 100Mbps-always; 10Mbps-twinkle |
| **Fiber** | Link/Act: connect-always; data exchange-twinkle |

## Power Information

| Parameters | |
|---|---|
| **Power access mode** | Phoenix terminal, DC seat |
| **Redundant power input** | DC 9-56V |
| **Overload protection** | Yes |
| **Power reverse** | Support |
| **Power consumption** | Full-load<15W |

## Physical Property

| Parameters | |
|---|---|
| **Protection grade** | IP40 aluminum case |
| **Cooling mode** | Natural cooling, no fan design |
| **Dimensions** | 138mm x 106mm x 41mm (L x W x H) |
| **Installation mode** | DIN trail/wall-mountable |
| **Weight** | 600g |

## Recommended Operating Conditions

| Alarm Relay | |
|---|---|
| **Operating Temperature** | -40°C~85°C |
| **Operating Humidity** | 5%~90% non-condensing |
| **Storage Temperature** | -40°C~85°C |
| **MTBF** | 500,000 hours |

## Certification Standard

| 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 |

**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.

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