IMC-GP30W-SFP User Manual

Brief Introduction:

This Industrial POE 30W converter supports 1 10/100/1000BaseTX Ethernet port and 1 fiber port. PoE output complies with standard af/at (30W), powering PD devices such as IP camera, high performance wireless AP and industrial grade IP phone systems. This converter is highly flexible and anti-EMI. The distance between fiber ports and control center is up to 120Km. DIN-Rail mounting is catered for industrial application needs. -40° 85°C operating temperature range and 6KV Ethernet surge protection can adapt to a harsh outdoor environment and ensure product reliability.

Packing List

Please check the following items in the package before installation.

- Industrial PoE converter 1 PCS
- User manual 1 Copy

If you find that the device is damaged during transportation or any parts missing, please notify the shipper or dealers as soon as possible.

Product Specifications

Network Protocols	IEEE 802.3x Flow Control IEEE 802.1af DTE Power via MDI IEEE 802.3af/at POE
Power Supply	Input voltage: 48-56VDC 40W Reverse polarity protection: support
Industrial Standards	EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A EMS: EN 61000-4-2 (ESD) Level 3, EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS), EN 61000-4-8 Traffic Control: NEMA-TS2; Vibration: IEC 60068-2-6 Freefall: IEC 60068-2-32; Shock: IEC 60068-2-27 Rail Traffic: EN 50121-4
Safety	CE Mark, commercial; CE/LVD EN60950
Mechanical	Dimension 120 x 89 x 35mm
information	Mounting method Din-rail mounting

POE Features

- POE output power: 30W
- POE RJ45 Pins: 1,2(V+); 3,6(V-) as default

LED indicator

- All LED in the front panel of this series monitor the working status of the device, simplifying trouble shooting. The indication of each LED is as below in the table:

System Status LED			
LED		Status	Description
Power Supply PWR		Green on	Normal
		off	Power off
Ethernet Port	Yellow Light	On	Ethernet port is connected
		Blink	Data transmitting
		Off	Ethernet port is disconnected
	Green Light	On	1000M
		Off	Not 1000M
Optical Port		On	Optical port is connected
		Blink	Data transmitting
		Off	Optical port is disconnected

- Remark: The Gigabit series will start working after Power LED on for 10 seconds.
- Notice: Please make sure the PD device connected with POE port complies with IEEE802.3 af/at standards.

Installation Guide

Please use the associated devices for installation.

Installation:

1. Make sure PoE port power meets the power requirements of the accessing devices.
2. Make sure PoE standard and powering mode matches the accessing PD device (End-span/Mid-span).
3. Make sure the power supply meets the requirements of converter showing in the label.

Please install the converter by the following steps:

1. Place the converter on a stable desktop or on solid rail.
2. Connect the converter with a power supply.
3. Connect the network device with the corresponding port on the converter via network cable.

Attention

1. Do not place heavy objects on the unit and ensure the converter is always in good ventilation environment.
2. Always turn off power before plug or unplug cables.

Power On

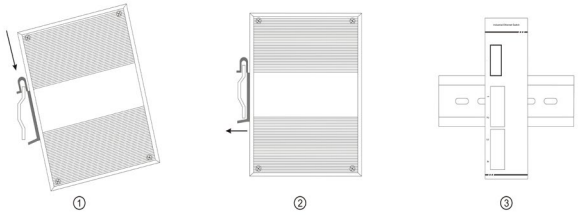
Power on after connections, then the converter will automatically initialize, and the LED indicators will have the following conditions:

1. After LED ON and then OFF means that the system has reset successfully.
2. Power LED is ON all the time.

Notice

If the initialization does not match instructions above, please check the power supply again.

1. DIN Rail installation diagram



2. Power supply connection diagram