

ITGMC-111GP+



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Industrial Gigabit Ethernet to fiber media converter with 1G/10GBase-T and 1x1G/10GBase-X, SFP+ socket

Features

- Support 1 port 1G/10GBase-T auto-negotiation and auto-MDI/MDI-X copper port
- Support 1 port 1G/10GBase-X SFP+ fiber port
- Support Jumbo Frame up to 10K Bytes
- Relay output to carry capacity of 1A at 24 VDC for warning system
- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled

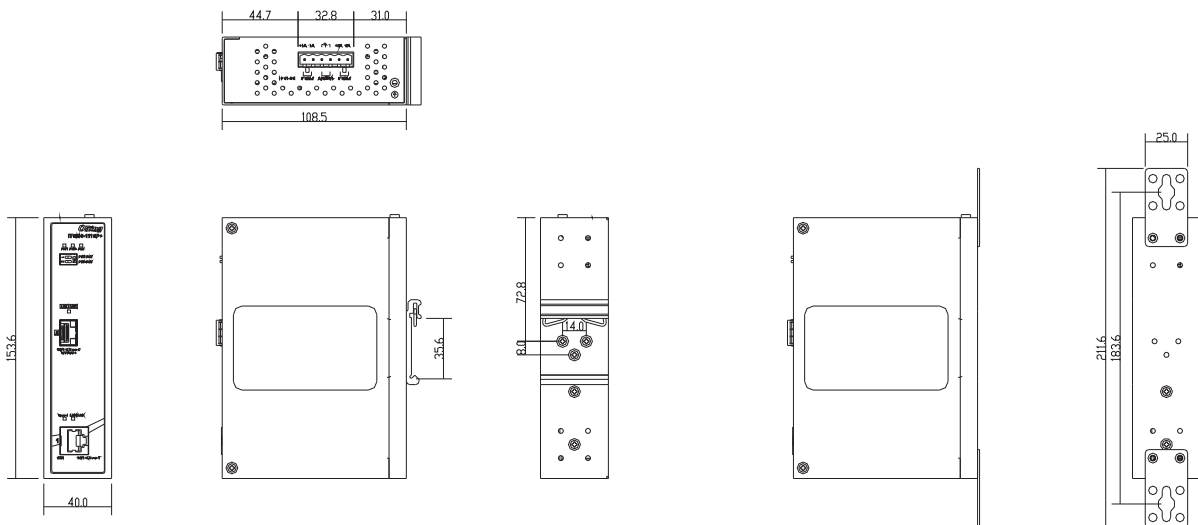


Introduction

The ITGMC-111GP+ is a cost-effective solution for the interface conversion between 1G/10GBase-T and 1G/10GBase-X SFP+ socket. It allows you to extend communication distance of Gigabit copper port with optical fiber. ITGMC-111GP+ supports MDI/MDIX auto detection, so you don't need to use crossover wires.

The ITGMC-111GP+ is designed with wide operating temperature range from -20 ~ 60°C and accepts a wide voltage range from dual 12~48 VDC power inputs, so it is suitable for harsh operating environments. Therefore, the ITGMC-111GP+ is the reliable media converter and can satisfy most demand of operating environment.

Dimensions



(Unit=mm)

Industrial Ethernet Switch

Industrial Media Converter

Industrial Device Server

Industrial Wireless Access Point

Industrial Cellular VPN Router

Industrial M2M Gateway

Accessories

Network Management Software

Specifications

| ORing 10G Media Converter Model | ITGMC-111GP+ |
|---|--|
| Physical Ports | |
| 1G/10GBase-T in RJ45 Auto MDI/MDIX | 1 |
| 1G/10GBase-X SFP+ port | 1*NOTE1 |
| Technology | |
| Ethernet Standards | IEEE 802.3ae for 10Gigabit Ethernet IEEE 802.3an for 10GBase-T IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X |
| Jumbo Frame | 10K |
| LED Indicators | |
| Power Indicator | Green : Power LED x 2 |
| 1G/10GBase-X SFP+ Port Indicator | Green for port Link/Act |
| 1G/10GBase-T RJ45 port Indicator | Green for Link/Act Dual color LED for speed – Green for 10Gbps, Amber for 1Gbps |
| Relay Indicator | Amber LED – ON: Relay activated(closed) / OFF: Relay de-activated(opened) |
| Fault Contact | |
| Relay | Relay output to carry capacity of 1A at 24 VDC |
| Power | |
| Input Power | Dual 12 ~ 48 VDC voltage power inputs in 6-pin terminal block |
| Power Consumption (Typ.) | 8.6W |
| Overload Current Protection | Present |
| Reverse Polarity Protection | Present |
| Physical Characteristic | |
| Enclosure | IP-30 |
| Dimension (W x D x H) | 40 (W) x 108 (D) x 154 (H) mm |
| Weight (g) | 437g |
| Environmental | |
| Storage Temperature | -40 to 85°C (-40 to 185°F) |
| Operating Temperature | -20 to 60°C (-4 to 140°F) |
| Operating Humidity | 5% to 95% Non-condensing |
| Regulatory Approvals | |
| EMI | FCC Part 15, CISPR (EN55022) 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 |
| Shock | IEC60068-2-27 |
| Free Fall | IEC60068-2-32 |
| Vibration | IEC60068-2-6 |
| MTBF(mean time between failures) | |
| Time | 944763.5677 hrs |
| Warranty | 5 years |

*Note1: 10GBase-T must use shielding twisted pair cable of Cat6a or above.

Ordering Information

ITGMC-1 **A** **B** **CCC**

| Code Definition | 1G/10GBase-T Port Number | 1G/10GBase-X Fiber Port Number | Fiber Port Type |
|-----------------|--------------------------|--------------------------------|----------------------------------|
| Option | - 1 : 1 port | - 1 : 1 port | - GP+ : 1G/10GBase-X SFP+ |

| Available Model | Model Name | Description |
|-----------------|--------------|--|
| | ITGMC-111GP+ | Industrial Gigabit Ethernet to fiber media converter with 1x1G/10GBase-T and 1x1G/10GBase-X, SFP+ socket |

Packing List

- ITGMC-111GP+ x 1
- Wall-mount Kit x 1
- Quick Installation Guide x 1
- DIN-Rail Kit x 1

Optional Accessories (Can be purchased separately)

- SFP1G series : 1Gbps SFP optical transceiver
- SFP10G series : 10Gbps SFP+ optical transceiver
- SFPC10G series : 10Gbps SFP+ copper cable
- DR/SDR/DRP series DIN-Rail power supply