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



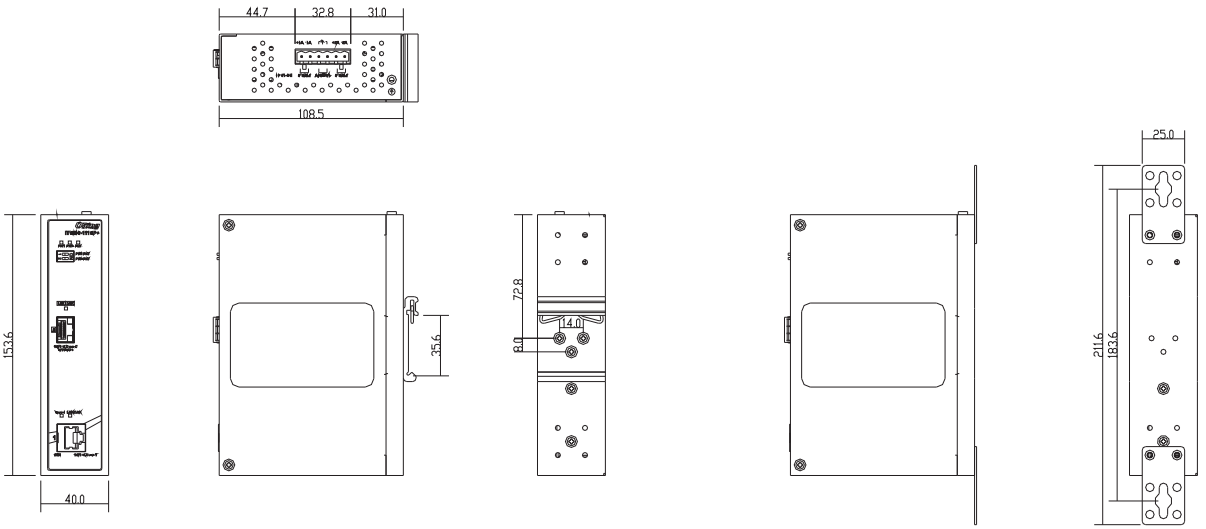
10 Gigabit Redundant PWR RoHS Lead Free CE FC

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)

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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.**

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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+

	Model Name	Description
Available Model	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

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