

# 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

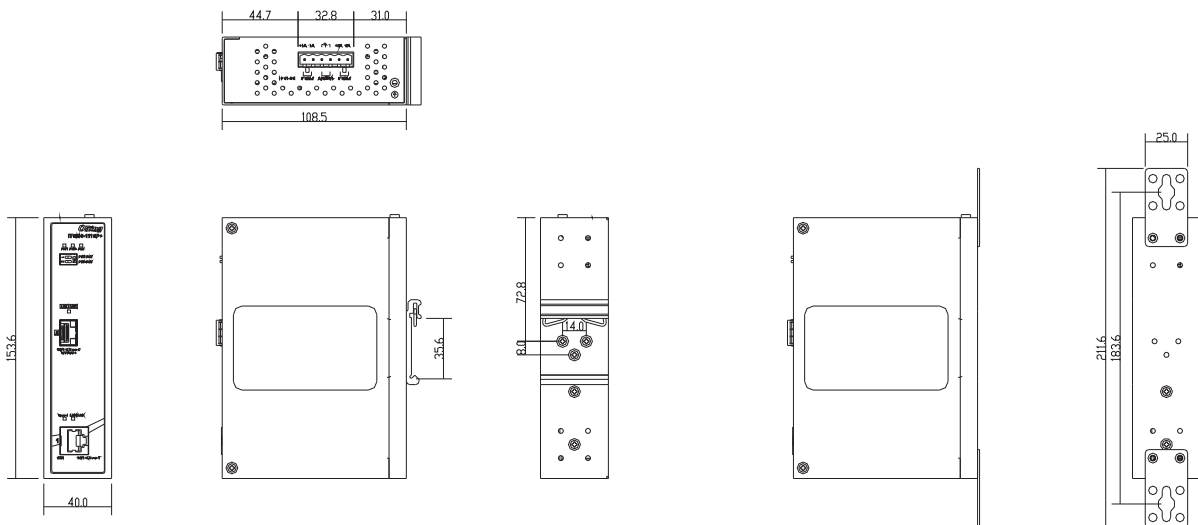


### Introduction

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)

## Specifications

ORing 10G Media Converter Model	ITGMC-111GP+
<b>Physical Ports</b>	
1G/10GBase-T in RJ45 Auto MDI/MDIX	1
1G/10GBase-X SFP+ port	1*NOTE1
<b>Technology</b>	
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
<b>LED Indicators</b>	
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)
<b>Fault Contact</b>	
Relay	Relay output to carry capacity of 1A at 24 VDC
<b>Power</b>	
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
<b>Physical Characteristic</b>	
Enclosure	IP-30
Dimension (W x D x H)	40 (W) x 108 (D) x 154 (H) mm
Weight (g)	437g
<b>Environmental</b>	
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
<b>Regulatory Approvals</b>	
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
<b>MTBF(mean time between failures)</b>	
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
<b>Option</b>	- <b>1</b> : 1 port	- <b>1</b> : 1 port	- <b>GP+</b> : 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
<b>Packing List</b>		<b>Optional Accessories (Can be purchased separately)</b>
<ul style="list-style-type: none"> <li>ITGMC-111GP+ x 1</li> <li>Wall-mount Kit x 1</li> <li>Quick Installation Guide x 1</li> <li>DIN-Rail Kit x 1</li> </ul>		<ul style="list-style-type: none"> <li>SFP1G series : 1Gbps SFP optical transceiver</li> <li>SFP10G series : 10Gbps SFP+ optical transceiver</li> <li>SFPC10G series : 10Gbps SFP+ copper cable</li> <li>DR/SDR/DRP series DIN-Rail power supply</li> </ul>