IGMC-111GPB

IGMC-111GPB

Industrial mini type Gigabit Ethernet to fiber media converter with 1x100/1000Base-T(X) to 1x100/1000Base-X, SFP socket

Features

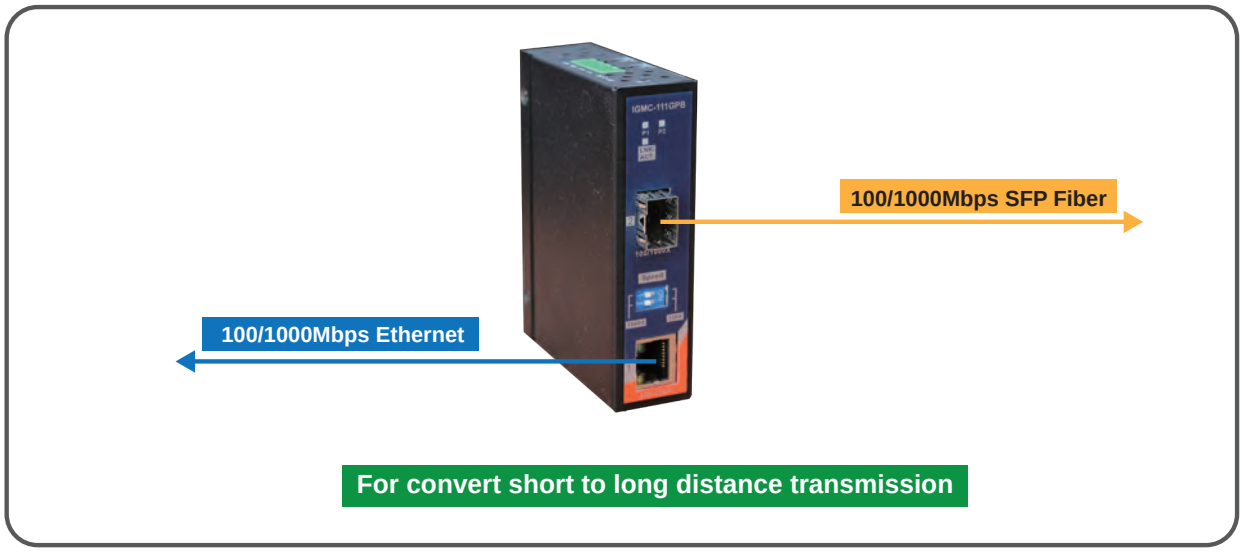
- Supports 1 port 100/1000Base-T(X) auto-negotiation and auto-MDI/MDI-X
- Support Ethernet to SFP port signal conversion
- Ethernet port supports full/half duplex operation
- SFP port support full-duplex operation
- Supports store and forward transmission
- Provided DIP-Switch to setting SFP speed
- High reliability and rigid IP-30 housing
- DIN-Rail and wall mounting enabled



RoHS Lead Free CE FC Slim Type Redundant PWR -40~75°C Temperature

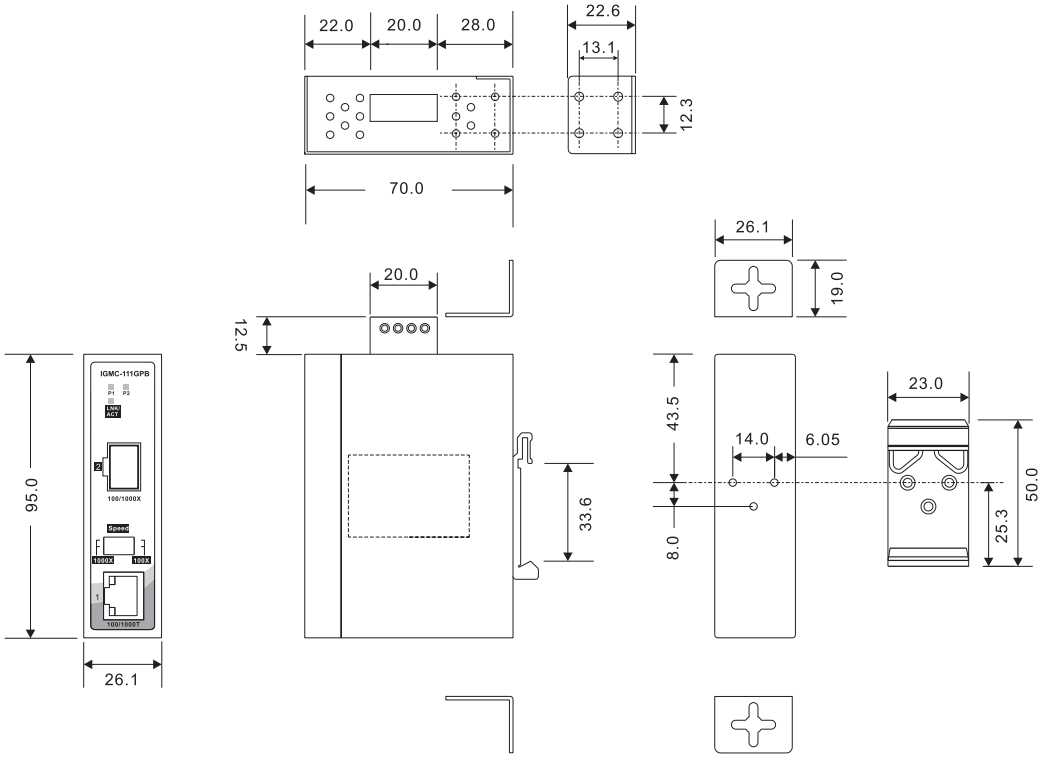
Introduction

IGMC-111GPB is a cost-effective solution for the conversion between 100/1000Base-T(X) and 100/1000Base-X interface, it allows you to extend communication distance by optical fiber. IGMC-111GPB supports MDI/MDIX auto detection, so you don't need to use crossover wires. IGMC-111GPB with wide operating temperature range from -40 ~ 70°C and accepts a wide voltage range from dual 12 ~ 48 VDC power inputs, so it is suitable for harsh operating environments. Therefore, the IGMC-111GPB is reliable media converter and can satisfy most demand of operating environment.



Connections of Media Converter

Dimensions



(Unit=mm)

Working Status

Ethernet Port Status	SFP Fiber Port Status	Working Status
100Mbps	100Mbps	Working
100Mbps	1000Mbps	Not Avail
1000Mbps	1000Mbps	Working
1000Mbps	100Mbps	Not Avail

Specifications

ORing Media Converter Model	IGMC-111GPB
Physical Ports	
100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX	1
100/1000Base-X SFP port	1

Technology	
Ethernet Standards	IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X
Processing	Store-and-Forward
DIP-Switch setting	DIP-Switch 1 (ON) and DIP-Switch 2 (ON) : SFP speed setting to 100Mbps DIP-Switch 1 (OFF) and DIP-Switch 2 (OFF) : SFP speed setting to 1000Mbps
LED Indicators	
Power Indicator	Green : Power LED x 2 (ON : power input on-line / (OFF) power input off-line
10/100Base-T(X) RJ45 Port Indicator	LED for Link/Act and Speed indicator ~ Green on only : 1000Mbps Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down Green and Amber on : 100Mbps Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down ***Note : If amber on only : 10Mbps (This is not working mode)**
100/1000Base-(F)X fiber port indicator	Green for fiber port Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down
Power	
Input Power	Dual 12~48 VDC voltage power input at 4-pin terminal block
Power Consumption (Typ.)	3.6 Watts
Overload Current Protection	Present
Reverse Polarity Protection	Present
Physical Characteristics	
Enclosure	IP-30
Dimensions (W x D x H)	26.1 (W) x 70 (D) x 95 (H)mm (1.03 x 2.76 x 3.74 inch)
Weight (g)	190 g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 70°C (-40 to 158°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory Approvals	
EMI	FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4)
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
Safety	EN60950-1
Warranty	5 years

Ordering Information

IGMC-1 A B GPB

Code Definition	100/1000Base-T(X) Port Number	100/1000Base-(F)X Fiber Port Number
Option	- **1** : 1 port	- **1**: 1 port

Available Model	Model Name	Description
	IGMC-111GPB	Industrial mini type Gigabit Ethernet to fiber media converter with 1x100/1000Base-T(X) and 1x100/1000Base-X, SFP socket

Packing List

- IGMC-111GPB
- DIN-Rail Kit
- Wall-Mount Kit
- Quick Installation Guide

Optional Accessories (Can be purchased separately)

- DR-45 series : 45 Watts power supply
- DR-75 series : 75 Watts power supply
- DR-120 series : 120 Watts power supply
- SDR-240-48, 240W DIN-Rail power supply
- SDR-480-48, 480W DIN-Rail power supply
- SFP100 series : 100Mbps SFP optical transceiver
- SFP1G series : 1000Mbps SFP optical transceiver