



IGMC-111GPB-LFP

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

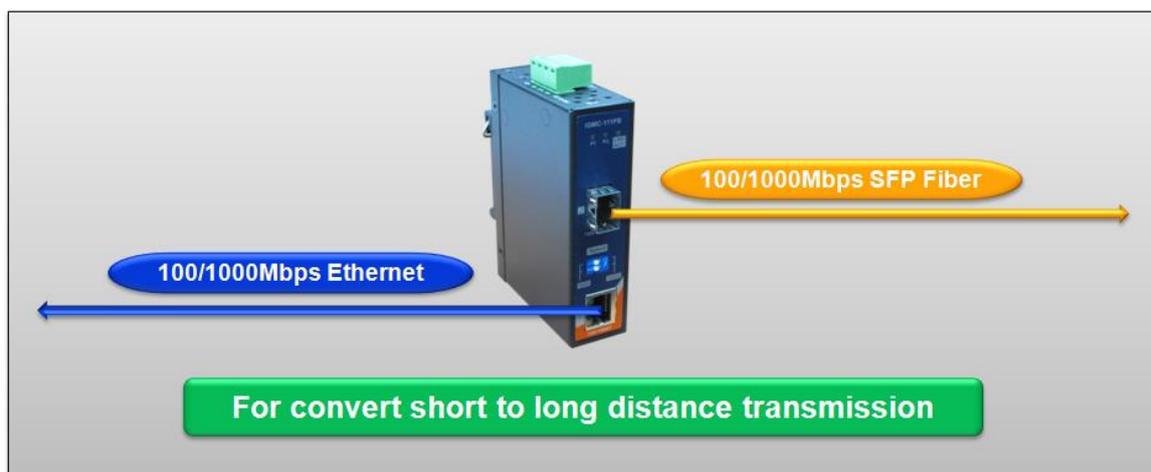
Features

- 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
- Support Jumbo Frame up to 10K Bytes
- Support **LFP (Link Fault Pass-through)** function



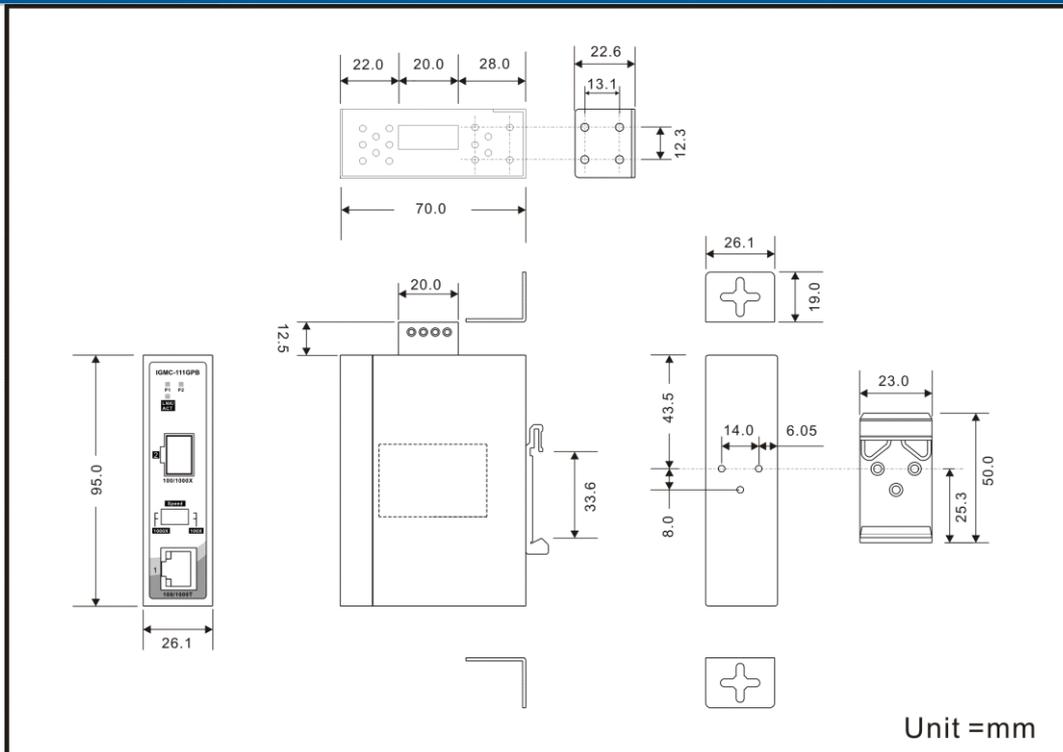
Introduction

IGMC-111GPB-LFP 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-LFP 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-LFP is reliable media converter and can satisfy most demand of operating environment.



Connections of Media Converter

Dimension



Specifications

ORing Media Converter Model	IGMC-111GPB-LFP
Physical Ports	
100/1000 Base-T(X) Port 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
LFP status indicator	Amber LED - (ON) LFP function fail / (OFF) LFP function disable
DIP-Switch 1/2	DIP-Switch 1 (OFF) : SFP speed setting to 1000Mbps DIP-Switch 1 (ON) : SFP speed setting to 100Mbps DIP-Switch 2 (OFF) : Disable LFP DIP-Switch 2 (ON) : Enable LFP
LED indicators	
Power indicator	Green : Power LED x 2
100/1000Base-T(X) RJ45 port	Green for Link/Act

Indicator	Speed LED- Green for 1000Mbps, Off-light for 100/10Mbps
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 Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	26.1 (W) x 70 (D) x 95 (H)mm (1.03 x 2.76 x 3.74 inches)
Weight (g)	190 g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C
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	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Safety	EN 62368-1
Warranty	5 years

Ordering Information

IGMC-1ABGPB-LFP



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

Packing List

- IGMC-111GPB-LFP x 1
- Quick Installation Guide x 1
- Din-Rail Kit x 1
- Wall-Mount Kit x 1

Optional Accessories

- **SFP100 series : 100Mbps SFP optical transceiver**
- **DR-45 series : 45 Watts power supply**
- **DR-120 series : 120 Watts power supply**
- **SFP1G series : 1000Mbps SFP optical transceiver**
- **DR-75 series : 75 Watts power supply**