IGMC-1011GF/1011GP

Industrial slim type Gigabit Ethernet media converter

Features

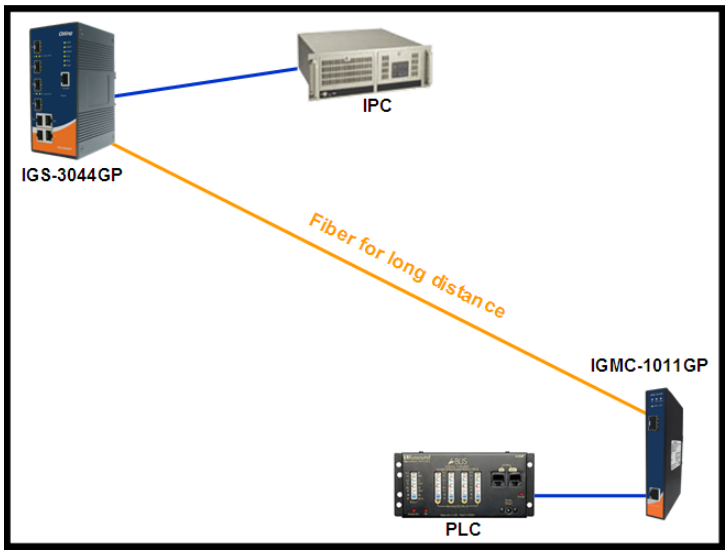
- Supports 1 ports 10/100/1000Base-T(X) auto-negotiation and auto-MDI/MDI-X
- Supports 1 port 1000Base-X multi-mode/single-mode or SFP port
- Supports Jumbo Frame up to 10240 Bytes
- Support store and forward transmission
- Relay output to carry capacity of 1A at 24 VDC
- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled





Introduction

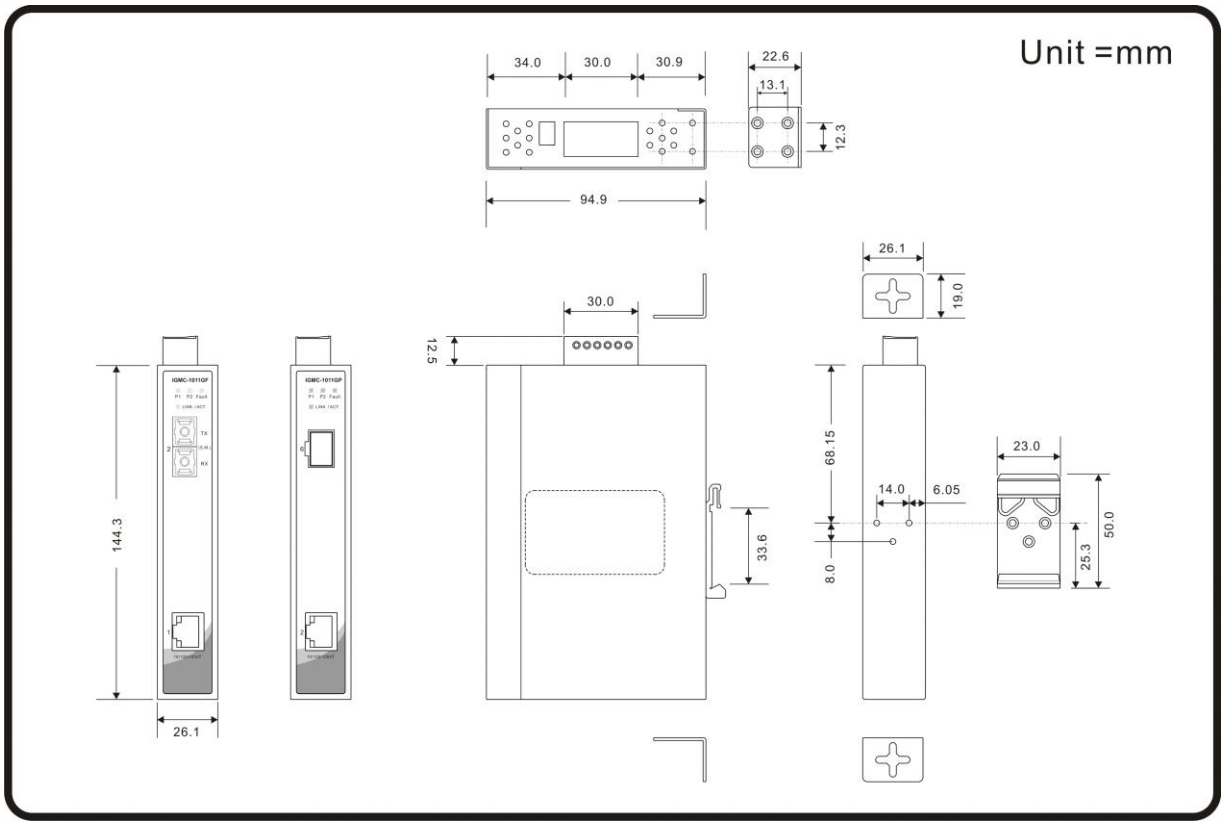
IGMC-1011GF/IGMC-1011GP series are industrial gigabit media converters provide media conversion between 10/100/1000Base-T(X) and 1000Base-X. IGMC-1011GF/IGMC-1011GP series are rigid IP-30 housing design and supporting an operating temperature of -40 to 70˚C. Therefore, the IGMC-1011GF/IGMC-1011GP series is reliable media converter and can satisfy most demand of operating environment.



Connections of Media converter

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Dimension



Specifications

ORing Media Converter Model		IGMC-1011GF-MM-SC	IGMC-1011GF-SS-SC	IGMC-1011GP
Physical Ports				
10/100/1000 Base-T(X) Ports in RJ45 Auto MDI/MDIX		**1**	**1**	**1**
Fiber Ports Specifications	Fiber Ports Number	**1**	**1**	**-**
	Fiber Ports standard	1000Base-SX	1000Base-LX	**-**
	Fiber Mode	Multi-mode	Single-mode	**-**
	Fiber Diameter (μm)	62.5/125 μm 50/125 μm	9/125 μm	**-**
	Fiber Optical Connector	SC	SC	**-**
	Typical Distance (Km)	0.55 Km	10 Km	**-**
	Wavelength (nm)	850 nm	1310 nm	**-**
	Max. Output Optical Power (dbm)	-4 dbm	-3 dbm	**-**
	Min. Output Optical Power (dbm)	-9.5 dbm	-9.5 dbm	**-**
	Max. Input Optical Power (Saturation)	0 dbm	-3 dbm	**-**
	Min. Input Optical Power (Sensitivity)	-18 dbm	-20 dbm	**-**
	Link Budget (db)	8.5 db	10.5 db	**-**
1000Base-X SFP port		**-**	**-**	**1**
Technology				
Ethernet Standards		IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX		

	IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X		
Jumbo Frame	10240 Bytes		
LED Indicators			
Power / Ready Indicator	Green : Power LED x 2		
Fault Indicator	Amber : Indicate power failure		
10/100/1000Base-T(X) RJ45 Port Indicator	Green for port Link/Act. Amber for 100Mbps indicator.		
1000Base-X Port Indicator	Green for port Link/Act		
Fault Contact			
Relay	Relay output to carry capacity of 1A at 24 VDC		
Dip Switch	Relay output function enable / disable by dip switch		
Power			
Input Power	Dual 12~ 48 VDC voltage power inputs in 6-pin terminal block		
Power Consumption (Typ.)	3.5 Watts		
Overload Current Protection	Present		
Reverse Polarity Protection	Present on terminal block		
Physical Characteristic			
Enclosure	IP-30		
Dimension (W x D x H)	26.1 (W) x 94.9 (D) x 144.3 (H) mm (1.03 x 3.74 x 5.68 inch)		
Weight (g)	400g	400g	380g
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		
EMS	EN 61000-4-2 (ESD), EN 61000-4-3 (RS), EN 61000-4-4 (EFT), EN 61000-4-5 (Surge), EN 61000-4-6 (CS), EN 61000-4-8, EN 61000-4-11		
Shock	IEC 60068-2-27		
Free Fall	IEC 60068-2-32		
Vibration	IEC 60068-2-6		
Safety	UL 61010-1, UL 61010-2-201		
MTBF (Hours) (MIL-HDBK-217F2, GB, GC, 25°C)	597,923	597,923	650,069
Warranty	5 years		

Ordering Information

IGMC-1AABCC-DD-EE

Code Definition	10/100/1000Base-T(X) Port Number	1000Base-X Fiber Port Number	Fiber Port Type	Fiber Optical Mode	Fiber Optical Connector

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Option	**- 01:** 1 port	**- 1:** 1 port	**- GF:** 1000Base-FX Fiber **- GP :** 1000Base-X SFP	**- MM:** Multi-mode **- SS:** Single-mode	**- SC:** SC connector

	Model Name	Description
Available Model	**IGMC-1011GF-MM-SC**	Industrial Gigabit Ethernet to fiber media converter with 1x10/100/1000Base-T(X) and 1x1000Base-SX, multi-mode, 550m/850nm, SC connector
	IGMC-1011GF-SS-SC	Industrial Gigabit Ethernet to fiber media converter with 1x10/100/1000Base-T(X) and 1x1000Base-LX, single-mode, 10Km/1310nm, SC connector
	IGMC-1011GP	Industrial Gigabit Ethernet to fiber media converter with 1x10/100/1000Base-T(X) and 1x1000Base-X, SFP socket

Packing List

- **IGMC-1011GC/1011GP x 1**
- **Quick Installation Guide x 1**
- **DIN-Rail Kit x 1**
- **Wall-mount Kit x 1**

Optional Accessories

- **SFP 1G series : 1Gbps SFP optical transceiver**
- **DR-45 series : 45 Watts DIN-Rail power supply**
- **DR-75 series : 75 Watts DIN-Rail power supply**
- **DR-120 series : 120 Watts DIN-Rail power supply**

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