

SKY- IGMC-SFP

1 10/100/1000Base-TX(RJ-45) to 1 Open SFP Port Industrial Media Converter

Product Description

This is an industrial media converter that converts 1 10/100/1000Base-TX(RJ-45) to 1 Open SFP Port. This provides a cost effective conversion from 10/100/1000Base-TX(RJ-45) to 1000Base-X fiber, while extending the network reach beyond the 100m reach limitation of copper. This industrial grade product includes a terminal block and does not come with a power plug. Our media converters and network interface cards are 100% compliant for all of your networking needs. Now you have a cost effective solution to your network upgrade needs.

Features:

- All-aluminum Case, Compact and Fanless Design
- 10/100Mbps or 10/100/1000Mbps Full/Half
- Duplex, Auto-Negotiation and Auto-MDI/MDIX
- Operating Temperature from -40°C to 75°C
- Dual Redundant DC9~56V power input
- Support power input polarity protection; no need to worry about reverse connections
- Aluminum shell, fanless design
- Free fall, shock-proof and vibration-proof for industrial use
- Plug and play; no software configuration is needed
- Either DIN rail or Wall Mount installation



For your product safety, please read the following information carefully before any manipulation of the transceiver:



ESD

This transceiver is specified as ESD threshold 1kV for SFI pins and 2kV for all others electrical input pins, tested per MIL-STD-883G, Method 3015.4 /JESD22-A114-A (HBM). However, normal ESD precautions are still required during the handling of this module.



LASER SAFETY

This is a Class1 Laser Product according to IEC 60825-1:2007. This product complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007).

The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.

Specifications

Parameter	Specifications
Ethernet Interface	
RJ-45 Port	1x10/100/1000Base-TX
Optical Port	1x1000Base-X SFP/1x9
Port Mode (Tx)	Auto Negotiation Speed Full/Half-Duplex Mode Auto MDI/MDI-X Connection
Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3ab for 1000BaseT(X) IEEE 802.3z for 1000BaseSX/LX/LHX/ZX IEEE 802.3x for Flow Control
Maximum Packet Length	Up to 10K
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)
Transmission Distance	SFP Port: Depends on Optical Module (0-160km) RJ-45 Port Transmission Distance: 100m (Using Standard CAT5/CAT5e Cable)
Power Supply	
Power Supply Pin	Default: 1/2(+), 3/6(-) or 4/5(+), 7/8(-)
Max. Power Per Port	90W
Total PWR/Input Voltage	90W (DC52-56V) (Model-Dependent)
PSE Modes	Mode A, Mode B
Power Consumption	Single-Channel: 2 Watts Max. (Without PoE Load) Dual-Channel: 4 Watts Max. (Without PoE Load)
Power Inputs	2
Input Voltage	9-56VDC, Redundant Dual Inputs
Operating Voltage	9-56VDC
Connector	1 Removable 6-Contact Terminal Blocks Pin 1/2 for Power 1, Pin 3/4 for Power 2, Pin 5/6 for Fault Alarm
Protection	Overload Current Protection, Reverse Polarity Protection

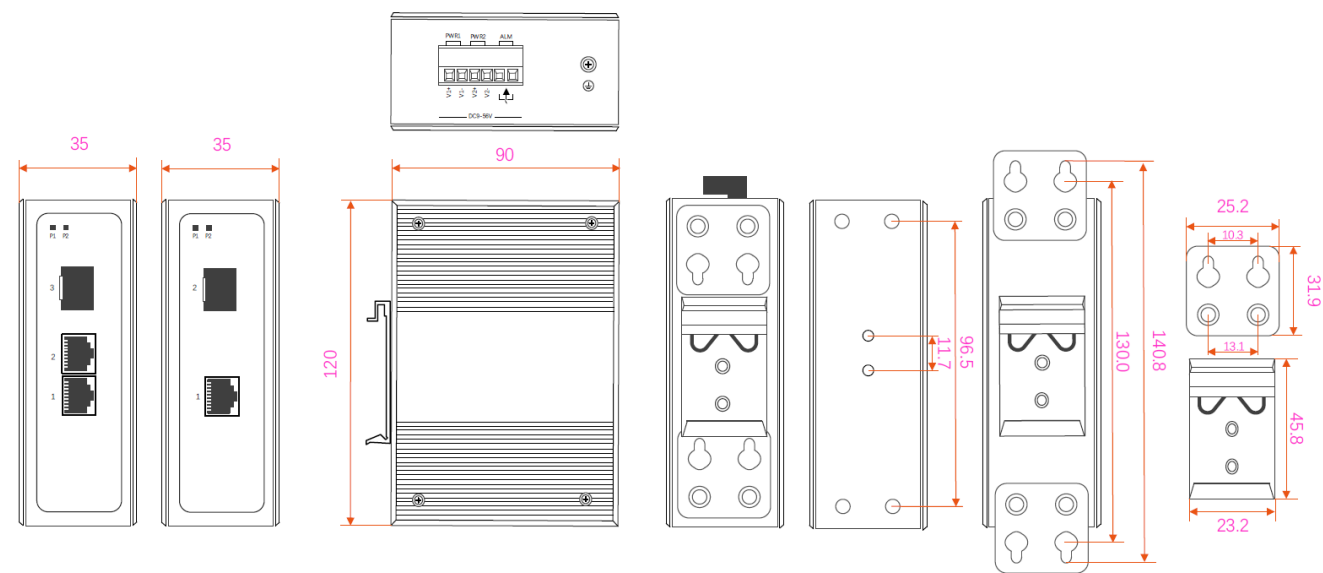
LED Specifications

Parameter	State	Description
PWR (P1&P2)	On	Power is being supplied.
	Off	Power is not being supplied.
Link/ACT (1-3)	On	Port connection is active.
	Blinking	Data transmitted.
	Off	Port connection is not active.

Physical Characteristics

Parameter	Specifications
Housing	Aluminum Case
IP Rating	IP40
Dimensions	120mm*90mm*35mm
Weight	350g
Operating Temperature	-40°C to 75°C (-40°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Operating Humidity	5-90% (Non-Condensing)
MTBF	2,573,692 Hours Standard: Telcordia SR-332 GF 30°C

Mechanical Specifications



About Skylane Optics

Skylane is a leading provider of transceivers for optical communication.

We offer an extensive portfolio for the enterprise, access, datacenter and metropolitan fiber optical market as well as for smart home applications and home networks.

We cover the European, South American and North American market with a strong partner network and have offices in Belgium, Brazil, Sweden and USA.

Our offerings are characterized by high quality and performance. In combination with our strong technical support, we enable our customers to build cost optimized network solutions.

We offer an extensive range of high-quality products including transceivers (Optical and copper), Active Optical Cable (AOC), Direct Attach Cable (DAC), Mux/Demux, Coding Box.

