

## C-IGMC-SFP

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

### 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 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



### 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.

## Specifications

Parameter	Specification
<b>Ethernet Interface</b>	
<b>RJ45 Port</b>	1x10/100/1000Base-TX
<b>Optical Port</b>	1x1000Base-X SFP/1x9
<b>Port Mode (Tx)</b>	Auto Negotiation Speed Full/Half Duplex Mode Auto MDI/MDI-X Connection
<b>Standards</b>	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
<b>Maximum Packet Length</b>	Up to 10K
<b>Forward Filter Rate</b>	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)
<b>Transmission Distance</b>	SFP Port: Depends on optical module(0-160km) RJ45 Port Transmission Distance: 100m (using standard CAT5/CAT5e cable)
<b>Power Supply</b>	
<b>Power Consumption</b>	Single Channel: 2 Watts Max(without PoE load) Dual Channel: 4 watts Max(without PoE load)
<b>Power Inputs</b>	2
<b>Input Voltage</b>	9-56VDC, Redundant dual inputs
<b>Operating Voltage</b>	9-56VDC
<b>Connector</b>	1 removable 6-contact terminal blocks Pin 1/2 for Power 1, Pin 3/4 for Power 2, Pin 5/6 for fault alarm
<b>Protection</b>	Overload Current Protection, Reverse Polarity Protection

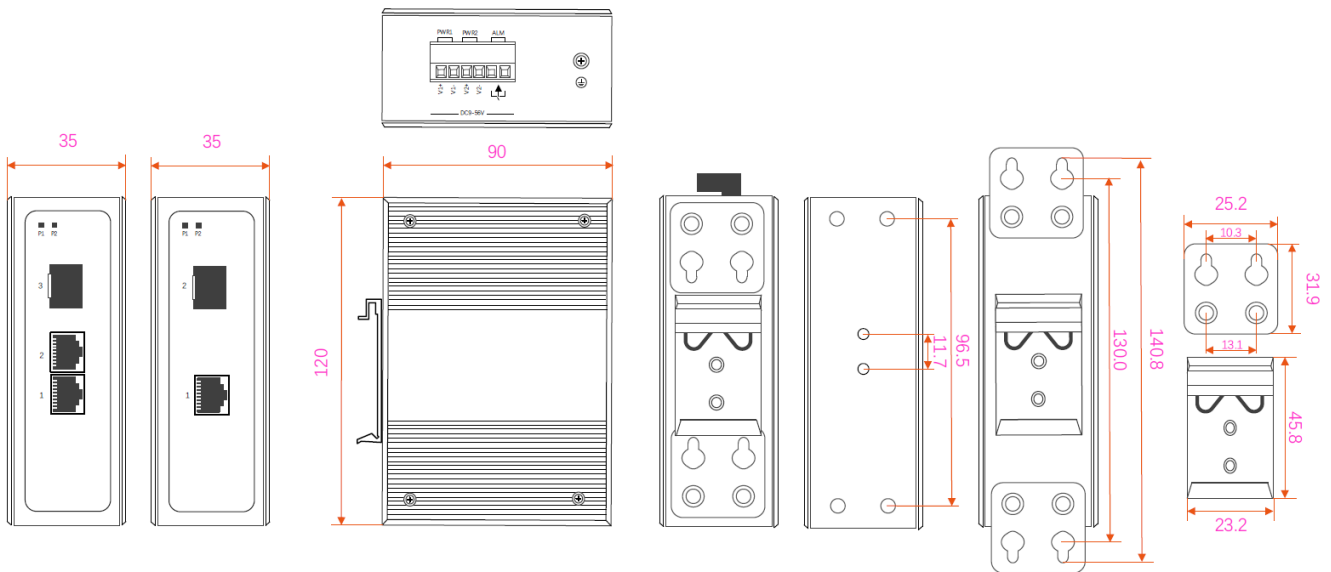
## LED Specifications

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

## Physical Characteristics

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

## Mechanical Specifications



## About ProLabs

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

## Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

## Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.



## Contact Information

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