

Industrial Media Converter

IMC-GB-SFP

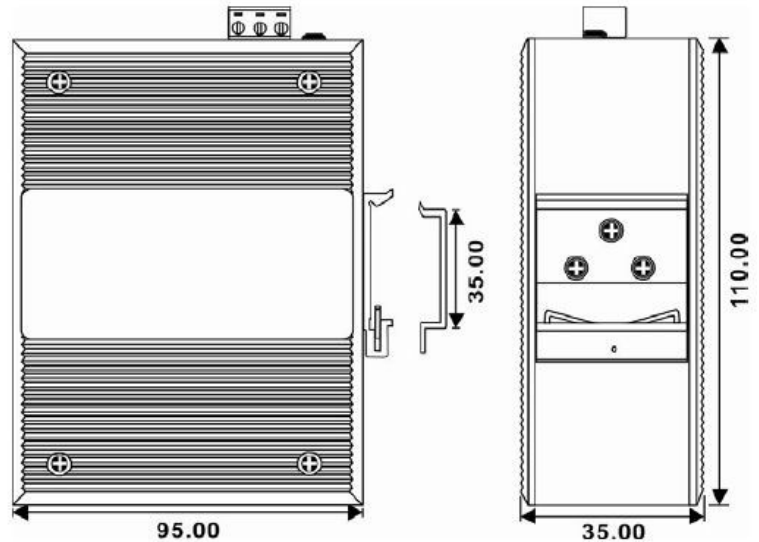


10/100/100Mbps Copper to Fibre Media Converter

The IMC-GB-SFP is an industrial Gigabit Ethernet Media Converter, supporting 1 x 10Base-T, 100-Base-TX and 1000Base-TX port and 1 x 1000Base SX port, via an SFP. It supports LFP (Link Fault Pass Through) making it easy to check network status.

The IMC-GB-SFP is constructed using a high strength metal housing which conforms to IP40, and uses a 12 vdc to 48vdc power source. The IMC-GB-SFP operates from $-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$

FACT SHEET



Key Features

- ✓ IEEE 802.3 / 802.3u / 802.3x / 802.3z store and forward
- ✓ Supports 1 x 10-BaseT / 100-Base-TX / 1000-Base-TX and 1 x 1000base-SX SFP Port
- ✓ Ethernet port supports 10/100/1000Mbps auto rate detection
- ✓ Support for LFP (Link Fault Pass Through)
- ✓ DC 12 to 48v power source
- ✓ IP 40 Housing Protection

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SPECIFICATIONS

Protocols	IEEE 802.3, 802.3u, 802.3z, Flow control IEEE 802.3x
Interfaces	Ethernet: 10Base-T, 100-Base-Tx, 1000Base-Tx, self-adaption Gigabit Fibre: 1000Base-X SFP
Transmission	Twisted pair: 100M (standard cat5 / cat5e) Multi-Mode Fibre: 1310nm, 2km Single Mode Fibre: 1310nm – 10km / 20km / 30km Single Mode Fibre 1550nm: 40km / 60km / 80km / 100km / 140km
Performance	100Mbps forwarding rate: 148810 pps 1000Mbps forwarding rate: 1488100 pps Transmission: Store and forward Memory: 1 Mbit MAC Addresses: 1K
Power Supply	24volts DC (12vdc ~ 48Vdc) Terminal Block: 3 bits, 7.62mm terminal block No load power consumption; 1.512W @ 24vdc Full load power consumption: 1.800W @ 24 vdc Supports reverse polarity connection
Mechanical	IP 40 metal housing. Installation: DIN Rail Mounting Weight/ 346.6 grams Dimensions: 110mm (H) x 35mm (W) x 95mm (D)
Environmental	Operating and Storage Temperature: -40 ⁰ C ~ +75 ⁰ C Ambient Relative Humidity: 10% to 95% Non-Condensing
Standards	EMI: FCC Part 15; CISPR (EN 55022) Class A EMS: EN 61000-4-2 (ESD) (Level 1) EN 61000-4-4 (EFT) Level 4 EN 61000-4-5 (Surge) Level 3 Shell IEC 600682-27
Certification	CE, FCC, RoHS and PAL

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