

1-port 10/100/1000Mbps To Industrial Media Converter

Model No: MT-IMC101-G-S-SC-20KM



Features

Interface :

- ◇ 1-port 10/100/1000Base-Tx RJ-45 with auto negotiation and auto-MDI/ MDI-X function
- ◇ 1-port 1000Base-Fx interface SC/FC/ST/SFP
- ◇ Multi-Mode up to 2km
- ◇ Single-Mode up to 20km/40km/60km/80km

Industrial conformance :

- ◇ 12V to 52V DC, redundant power input
- ◇ -40°C to 85°C operating temperatures
- ◇ IP40 aluminium housing
- ◇ Supports 6KV DC Ethernet ESD protection
- ◇ Supports 6KV DC EFT protection for power line
- ◇ Free Fall, Shock and Vibration Stability
- ◇ DIN-rail and wall-mountable hardware design

Specification

Model No	MT-IMC101-G-S-SC-20KM
10/100/1000Base-TX Port	1 port RJ-45 auto-MDI / MDI-X
1000Base-FX Port	IMC101G-SC2: 1 SC interface IMC101G-SC20: 1 SC Interface IMC101G-SFP: 1 SFP Slot
Fiber Port Type	IMC101G-SC2: SC / multi-mode, up to distance 2km; IMC101G-SC20: SC / single-mode, up to distance 20km; IMC101G-SFP: Vary on module
Warranty	1 Years

Optical Frequency	IMC101G-SC2: 1310nm IMC101G-SC20: 1310nm IMC101G-SFP: Vary on module
Performance Specification	Bandwidth: 14Gbps Packet Buffer Memory:1.2Mbit P acket Forwarding Rate:10.5Mpps MAC Address Table: 2K
Installation	DIN rail
Maximum Frame Size Flow Control	9000bytes packet size Back pressure for half duplex, IEEE 802.3x pause frame for full duplex
Enclosure	IP40 aluminium housing
LED Indicator	Power: Red Fiber: Link 2(Green) Ethernet: Yellow
Power Input Power Consumption Surge protection	12 to 52V DC redundant power < 3 watts ±4KV
Certification	CE FCC Rohs compliance
MTBF	>300,000hours
Network cables	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP(≤10meter) 1000BASE-TX: Cat6 or later UTP (≤100 meter)

Network Protocols	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x;
Industry Standard	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2 (ESD): $\pm 8\text{kV}$ (contact), $\pm 12\text{kV}$ (air) IEC61000-4-3 (RS): 10V/m (80~1000MHz) IEC61000-4-4 (EFT): Power Port: $\pm 4\text{kV}$; Data Port: $\pm 2\text{kV}$ IEC61000-4-5 (Surge): Power Port: $\pm 2\text{kV/DM}$, $\pm 4\text{kV/CM}$; Data Port: $\pm 2\text{kV}$ IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
Dimensions (W x D x H)	118 x 86 x 33.5 mm
Weight	Product Weight: 0.36KG Packing Weight: 0.46KG
Working Environment	Working temperature: $-40\sim 85^{\circ}\text{C}$; Storage temperature: $-40\sim 85^{\circ}\text{C}$ Relative Humidity: 5%~95 % (no condensation)

Images



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