

IMC101GT-1GS

Industrial Gigabit media converter

Features

1. Support 1 10Base-T/100Base-TX/1000 Base-TX port and 1 1000Base-X SFP port
2. Support IEEE802.3/802.3u/802.3x/802.3z, store and forward
3. Ethernet port support 10/100/1000M self-adaption
4. Ethernet port half/full duplex and MDI/MDI-X auto detect
5. Support LFP (Link Fault Pass-Through)
6. DC12~48V power input, reverse connection protection
7. IP40 protect grade, high strength iron shell, DIN Rail installation



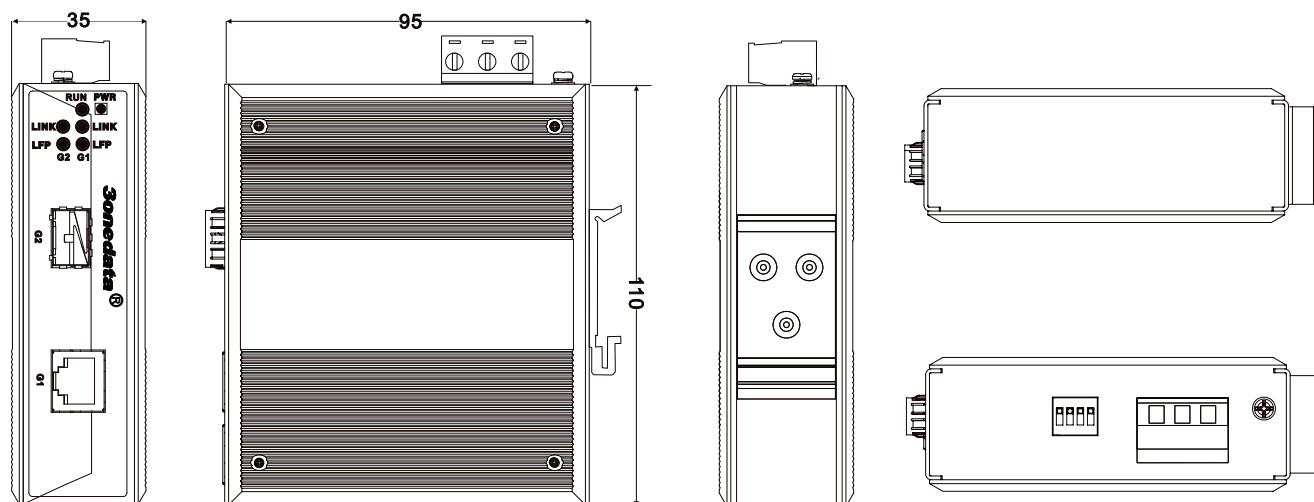
Introduction

IMC101GT is a kind of industrial gigabit media converter, it support 1 10Base-T/100Base-TX/1000 Base-TX port and 1 1000Base-X SFP port. It support LFP function, it is easy to check the network connection status, it also support CE, FCC standard, IMC101GT

adopt industry standard design, IP40 protection, rugged high-strength metal case, power supply input(12V~48VDC), -40 to 75°C working temperature.

Dimension and appearance

Unit (mm)



Specification

Technology:

Standard: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.3ab

Flow control: IEEE802.3x, back pressure control

Interface:

Gigabit Ethernet port: 10Base-T/100Base-TX/1000Base-TX

Self-adaption, Half/full duplex and MDI/MDI-X auto detect

Gigabit SFP port: 1000Base-X SFP slot (LC)

Transmission:



Twisted pair: 100M (Standard CAT5/CAT5e cable)

Multi mode fiber: 1310nm, 2Km

Single mode fiber: 1310nm, 20/40/60Km
1550nm, 80/100/120Km

Exchange of attribute:

100M forward speed: 148810pps

1000M forward speed: 1488100pps

Transmission: Store and forward

Memory: 2.075Mbits

MAC address: 1K

Exchange delay time: <10μs

LED Indicator:

Power: PWR

System: RUN

Ethernet port: G1 LINK

Fiber port: G2 LINK

Remote Ethernet port alarm: G1 LFP

Remote Fiber port alarm: G2 LFP

Power supply:

Power input: 24VDC(12~48VDC)

Terminal block: 3 bits 7.62mm terminal block

No-load power consumption: 1.39W@24VDC

Full-load power consumption: 1.66W@24VDC

Support reverse connection protection

Mechanical:

Shell: IP40, high strength iron shell.

Installation: DIN Rail

Weight: 346.6g

Dimension (W×H×D): 35mm×110mm×95mm

Environmental:

Operating Temperature: -40°C to 75°C

Storage Temperature: -45°C to 85°C

Ambient Relative Humidity: 5% to 95% (non-condensing)

Standard:

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), Level 4

EN61000-4-4 (EFT), Level 1

Shell: IEC 60068-2-27

Warranty:

Warranty time: 5 years

Certification:

CE, FCC, RoHS, UL508 (pending)