

# IMC101GT-1GF

## Industrial gigabit media converter

### Features

- 1.Support 1 10/100 /1000 Base-TX port and 1 1000Base-FX 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



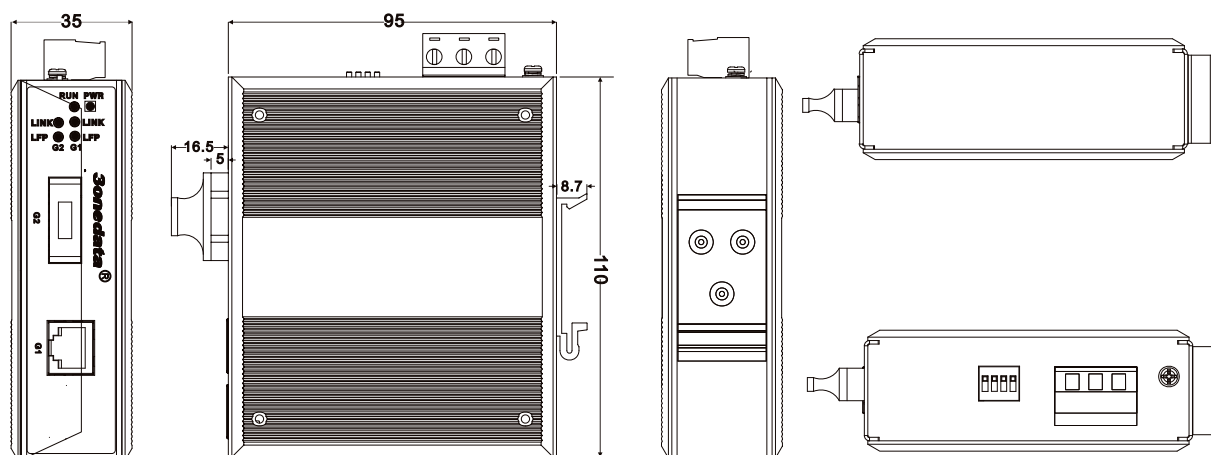
### Introduction

IMC101GT-1GF is a kind of industrial gigabit media converter, it support 1 10 /100 /1000 Base-TX port and 1 1000Base-FX Fiber port. It support LFP function, it is easy to check the network connection status, it also support CE,FCC standard, IMC101-GF 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

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 fiber port: 1000Base-F (SC/ST)

#### Transmission:

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



Multi mode fiber: 1310nm, 2/5Km

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: 1Mbits

**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: 1.032W@24VDC

Full-load power consumption: 1.272W@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 2

Shell: IEC 60068-2-27

**Warranty:**

Warranty time: 5 years

**Certification:**

CE, FCC, RoHS, PAL, UL508 (pending)