

IMC102GT-1GF

2-port 10/100/1000M Ethernet+ 1-port 1000Base-FX (SC/ST/FC)

Industrial Media Converter

Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab
- Support 2-port 10/100/1000M Ethernet and 1-port 1000Base-FX (SC/ST/FC)
- Store and Forward switching process type
- RJ45 Ethernet port support 10/100/1000M self-adaption
- Support DC12~48V power supply, no polarity
- Industrial grade 4 design, -40~75°C work temperature
- IP40 protection grade, metal shell
- DIN-Rail mounting, no fan design

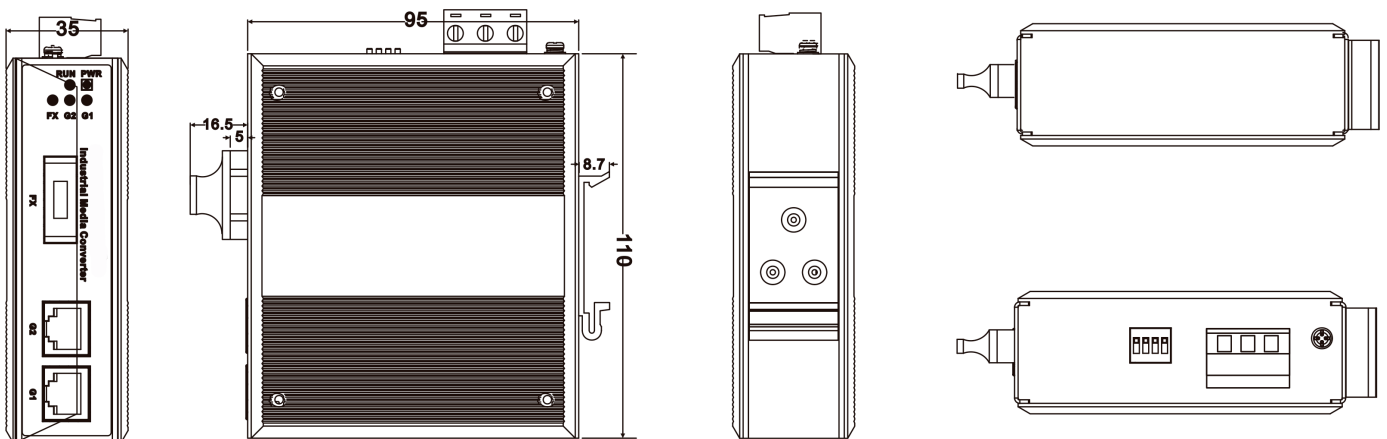


Introduction

IMC102GT-1GF is a kind of industrial media converter, it support 2 10Base-T/100Base-TX/1000Base-TX port and 1 1000Base-FX (SC/ST/FC optional). Product complies with FCC and CE standards, in line with the industrial design requirements, IP40 protection, rugged high-strength metal case, power supply

input(12V~48VDC). Working temperature range of -40~75°C to be able to meet the requirements of all kinds of industrial field, provide an reliable, effective and economical solution for the user's Ethernet equipment connection.

Dimension

Unit (mm)

Specification

Technology

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

Exchange attribute

100M forward speed: 148810pps
 100M maximum filter speed: 148810pps
 Transmit mode: store and forward
 MAC address table: 8K
 Memory: 1M

Interface

Gigabit Ethernet port: 10Base-T / 100Base-TX /1000Base-TX self-adaption (RJ45)
 Gigabit Fiber port: 1000Base-FX, SC/ST/FC connector, support single mode (20/40/60/80Km optional), multi mode (2Km), wavelength: 1310nm, 1550nm

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)
 Multi-mode: 1310nm, 2/5Km
 Single-mode: 1310nm, 20/40/60Km
 1550nm, 80/100/120Km

LED indicator

Power supply indicator: PWR
 RJ45 Link/Act indicator: G1, G2
 Optic fiber Link/Act indicator: FX
 System running indicator: RUN

Power supply

Input Voltage: 24VDV (12~48VDC)
 Type of input: 3 bits terminal block
 Support reverse connection protection

Consumption

No-load consumption: 1.34W@24VDC
 Full-load consumption: 2.86W@24VDC

Working environment

Working temperature: -40~75℃
 Storage temperature: -40~85℃
 Relative Humidity: 5%~95 % (no condensation)

Mechanical Structure

Shell: IP40 protect grade, metal shell
 Installation: DIN-Rail mounts
 Weight: 356g
 Size (W×H×D): 110mm×35mm×95mm

Industry 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

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Ordering Information

IMC102GT-1GF (M): 2 port 10/100/1000Baes-T(X) + 1 port 1000Base-FX Multi-mode SC/ST/FC, 12~48VDC
 IMC102GT-1GF (S): 2 port 10/100/1000Baes-T(X) + 1 port 1000Base-FX Single-mode SC/ST/FC, 12~48VDC
 IMC102GT-1GF (SS): 2 port 10/100/1000Baes-T(X) + 1 port 1000Base-FX single-mode, single fiber SC/ST/FC, 12~48VDC

Packing List

1. Industrial Media Converter IMC102GT-1GF (plus terminal block) ×1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1