IT-IMC-102GT-1GF

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

Industrial Media Converter

Features

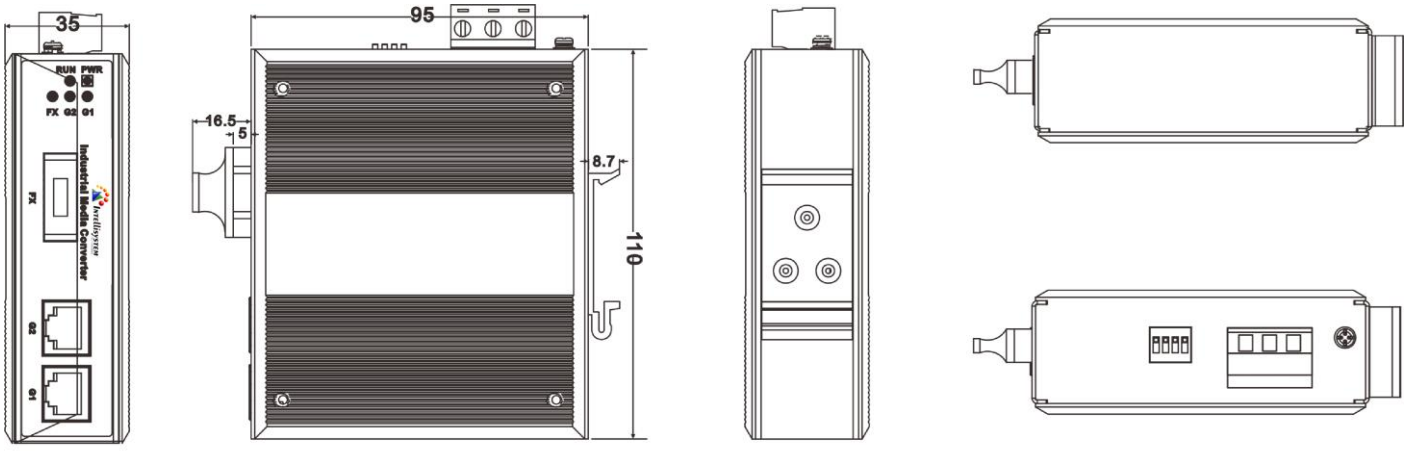
- Support IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab.
- Support 2-port 10/100/1000M Ethernet and 1-port 1000Base-FX (SC/ST/FC).
- Store and Forward switching process type.
- RJ45 Ethernet port support 10/100/1000M self-adaption.
- Support DC12～48V power supply, no polarity.
- Industrial grade 4 design,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

Introduction

IT-IMC-102GT-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℃ 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.

Dimensions

Unit (mm)



Specifications

Technology

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

Exchange attributes

100M forward speed: 148810pps

100M maximum filter speed: 148810pps

Transmit mode: store and forward

MAC address table: 436

Memory: 1M

Interfaces

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 indicators

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 Standards

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

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

EN61000-4-4 (EFT), Level 2

Shell: IEC 60068-2-27

Certifications

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Ordering Informations

IT-IMC-102GT-1GF (M): 2 ports 10/100/1000Baes-T(X) + 1 port 1000Base-FX Multi-mode SC/ST/FC, 12~48VDC

IT-IMC-102GT-1GF (S): 2 ports 10/100/1000Baes-T(X) + 1 port 1000Base-FX Single-mode SC/ST/FC, 12~48VDC

IT-IMC-102GT-1GF (SS): 2 ports 10/100/1000Baes-T(X) + 1 port 1000Base-FX single-mode, single fiber SC/ST/FC, 12~48VDC

Packing List

1. Industrial Media Converter IT-IMC-102GT-1GF (plus terminal block) ×1

2. User manual x 1

3. Certificate of quality x 1

4. Warranty card x 1

Intellisystem Technologies S.r.l. – Via Augusto Murri, 1 – 96100 Siracusa – Phone +39 (0)931-1756256 / +39 (0)2-87167549 - Mobile (+39) 335 1880035
em@il: info@intellisystem.it WEB: http://www.intellisystem.it