

IT-IMC-102B

2-ports Industrial Ethernet Media Converter

Features

1. IEEE802.3/802.3u/802.3x, store and forward.
2. Plug-and-play, easy to installation.
3. 10/100M, F/H duplex, MDI/MDI-X auto negotiation.
4. -40 to 75°C operating temperature range.
5. Designed for industrial applications. IP30 protection, rugged high-strength metal case.



Introduction

IT-IMC-102B is a speediness 10/100Base-TX Industrial Ethernet Media Converter, easy to connect server, repeater, switch, device to device, Can satisfy customers require for long distance, high speed, wide broadcast. Beside this, IT-IMC-102B supports electric working mode/rate setting.

IT-IMC-102B series support 2 TP ports and 1 fiber ports. TP (RJ45)

support 10/100Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection; 100BaseFX supports single-/multi-mode, SC/ST connector, optional.

IT-IMC-102B adopts industry standard design, IP30 protection, rugged high-strength metal case, power supply input (12V~48VDC), -40 to 75°C working temperature.

Specifications

Technology

Standards: IEEE802.1 10Base-T,

IEEE802.3u 100Base-TX, IEEE802.3 100Base-FX

RJ45 port rate: 10/100BaseT(X) auto connection,

F/H duplex or force work mode,

and support MDI/MDI-X connection

Fiber Ports: 100BaseFX ports (SC/ST optional)

Single-mode: 20, 40, 60, 80, 120Km, optional

Multi-mode: 2Km

Wavelength: 850nm, 1310nm, 1550nm

Typical 100Base-FX:

Multi-mode: 155Mbps, 1310nm, 2Km,

average output \geq -18dBm, sensitivity \leq -35dBm

Single-mode: 155Mbps, 1310nm, 20Km,

average output \geq -12dBm, sensitivity \leq -36dBm

Power

Input Voltage: 24VDC (12VDC~48VDC)

Opposite connection protection

Connector: 3 bit 7.62mm terminal block

No load consumption: 1.2W@24VDC

Full load consumption: 1.536W@24VDC

Indicators

Port indicator: 1~3 (LINK/ACT)

Power indicator: PWR

Mechanical

Dimensions: 110mm×35mm×95mm (H×W×D)

Casing: IP40 protection, Metal case

Weight: 346g

Environmental

Operating Temperature: -40 to 75°C

Storage Temperature: -45 to 85 °C

Ambient Relative Humidity: 10% to 95% (non-condensing)

Approvals

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

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

EN61000-4-3(RS), level 4

EN61000-4-4(EFT), level 4

EN61000-4-5 (Surge), level 4

EN61000-4-6 (CS), level 4

EN61000-4-8, level 4

EN61000-4-11, level 4

Shock: IEC 60068-2-27 PASS

Free Fall: IEC 60068-2-32 PASS

Vibration: IEC 60068-2-6 PASS

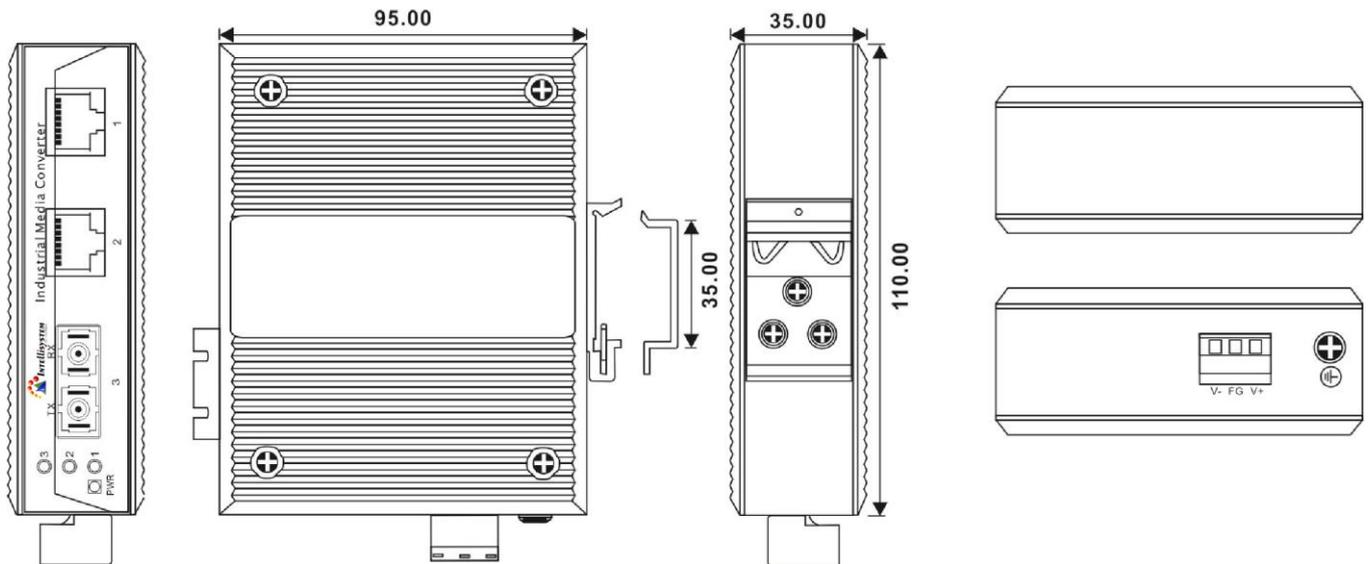
Warranty: 5 years

Packing List

1. Industrial Media Converter IT-IMC-102B series (plus terminal block)×1.
2. User manual ×1.
3. DIN-Rail fittings ×1.
4. Warranty card x1.

Dimensions

Unit (mm)



Ordering Informations

Model NO.	Description
IT-IMC-102B-M	Multi-mode, 2Km, 12~48VDC, SC/ST optional
IT-IMC-102B-S/20	Single-mode, 20Km, 12~48VDC, SC/ST optional
IT-IMC-102B-S/40	Single-mode, 40Km, 12~48VDC, SC/ST optional
IT-IMC-102B-S/60	Single-mode, 60Km, 12~48VDC, SC/ST optional
IT-IMC-102B-S/80	Single-mode, 80Km, 12~48VDC, SC/ST optional
IT-IMC-102B-S/100	Single-mode, 100Km, 12~48VDC, SC/ST optional
IT-IMC-102B-S/120	Single-mode, 120Km, 12~48VDC, SC/ST optional
IT-IMC-102B-SS/20	Single-mode, single fiber, 20Km, 12~48VDC, SC/ST optional
IT-IMC-102B-SS/40	Single-mode, single fiber, 40Km, 12~48VDC, SC/ST optional
IT-IMC-102B-SS/60	Single-mode, single fiber, 60Km, 12~48VDC, SC/ST optional
IT-IMC-102B-SS/80	Single-mode, single fiber, 80Km, 12~48VDC, SC/ST optional