

IMC101M

1-Port 10/100Base-T(X) + 1-Port 100Base-FX

Managed Industrial Ethernet Media Converter

Features

- Support IEEE802.3/802.3u/802.3x, store and forward
- Support TS-1000 std. version 2 standard
- Support 1 port 10/100Base-T(X) and 1 port 100Base-FX
- RJ45 support 10/100M, F/H duplex, MDI/MDI-X auto negotiation
- Support LFP (Link Fault Pass-Through)
- Support -40~75°C working temperature
- Support 12~48VDC wide voltage power supply input
- IP40 protection, high strength metal shell, DIN rail mount
- No fan, low consumption design



Introduction

IMC101M is a type of industrial Ethernet media converter with 1 port 10Base-T/100Base-TX Ethernet RJ45 and 1 port 100Base-FX fiber (SC/FC/ST optional). It complies with FCC, CE standard. DIN-rail installation and wide

operating temperature (-40~75 °C), can satisfied some kinds of industrial environment, can provide reliable and quickly solution for your Ethernet device.

Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3x,
TS-1000 std. version 2

Flow control: IEEE802.3x flow control, back press flow control

Exchange attribute

100M forward speed: 148810pps

Transmit mode: store and forward

System exchange bandwidth: 0.6Gbps

MAC address table: 1K

Memory: 0.28Mbit

Interface

RJ45 port: 10Base-T/100Base-TX auto speed control,
Half/full duplex and MDI/MDI-X auto detect

Fiber port: 100Base-FX, SC/ST/FC connector

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)

Multi-mode: 1310nm, 2Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

LED indicator

Interface indicator: TX, FX

Power supply indicator: PWR

Remote port alarm: LFP

Power supply

Input Voltage: 12~48VDC

Type of input: 3 bits 7.62mm terminal block

Consumption

No-load consumption: 1.47W@24VDC

Full-load consumption: 1.95W@24VDC

Working environment

Working temperature: -40 ~ 75 °C

Storage temperature: -40 ~ 85 °C

Relative Humidity: 5%~95 % (no condensation)

Mechanical Structure

Shell: IP40, high strength iron shell.

Installation: DIN-Rail

Dimension (W×H×D): 35mm ×110 mm×95mm

Weight: 355.6g

Industry Standard

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

EMS: EN61000-4-2 (ESD), Level 3

EN61000-4-5 (Surge), Level 3

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

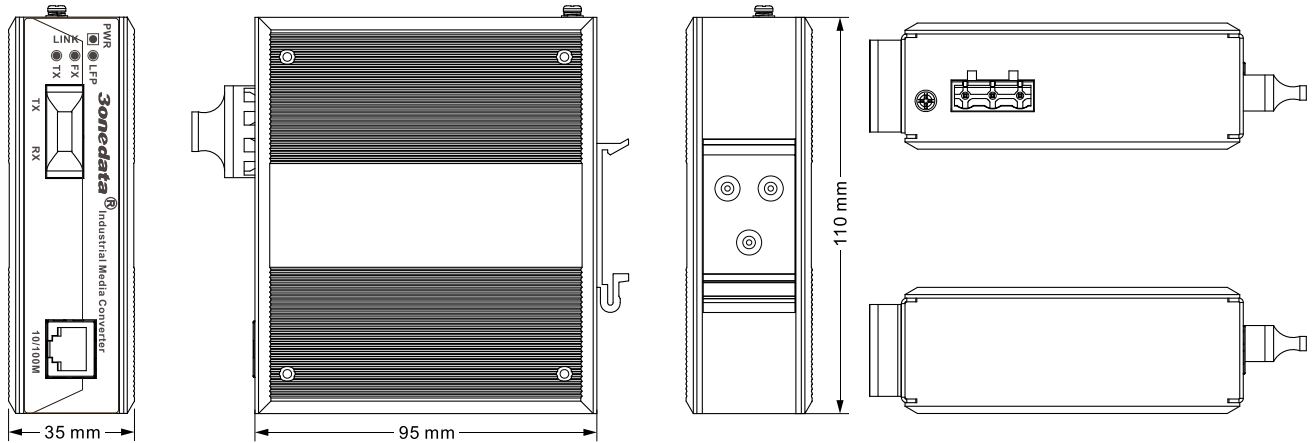
Warranty

Warranty time: 5 years

Certification

CE, FCC, RoHS, UL508 (Pending)

Dimension (Unit: mm)



Packing List

1. Industrial Ethernet Media Converter × 1
2. User manual × 1
3. Certificate of quality × 1
4. Warranty card × 1