IMC102B-F

DIN-Rail Mounting

3-port 100M Unmanaged Industrial Media Converter

- Support 1 100M fiber port, 2 100M copper ports

- Support input voltage 12~48VDC, nonpolarity, reverse polarity protection

- Support -40~75℃ wide operating temperature range

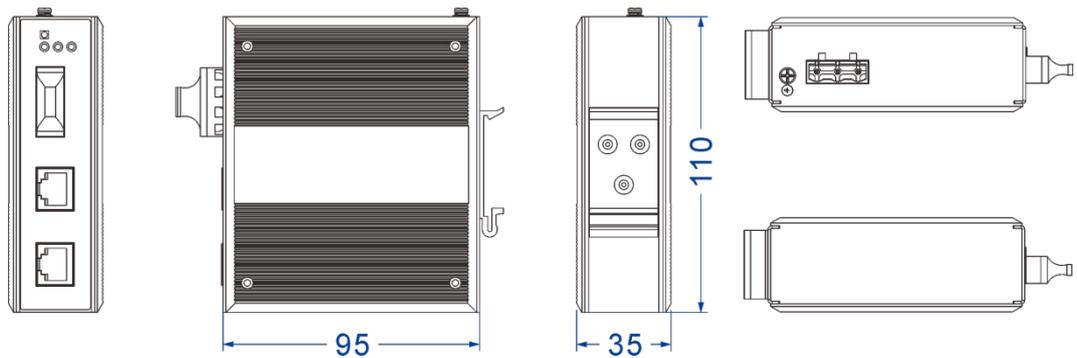CE   FC U.S.A   RoHS   Industrial Grade   IP40

Introduction

IMC102B-F is 3-port 100M unmanaged industrial media converter. The product provides 100M copper port and 100M fiber port. It adopts DIN-Rail mounting to meet the requirements of different application scenes.

Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, rail transit, smart city, safety city, new energy, aerospace, intelligent manufacturing, military project and other industrial fields.

Dimension

Unit:mm

Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX
Interface	Copper port: 10/100Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotunning Fiber port: 100Base-FX, SC/ST/FC optional
LED Indicator	Port Indicator, Power Supply Indicator
Switch Property	Transmission mode: store and forward MAC address: 2K Packet buffer size: 0.5Mbit Backplane bandwidth: 1.2G

Switch time delay: < 10μs

Power Requirement	12~48VDC, 3-pin 7.62mm pitch terminal blocks Support nonpolarity, reverse polarity protection
Power Consumption	No-load: 1.20W@24VDC Full-load: 1.54W@24VDC
Environmental Limit	Operating temperature: -40~75℃ Storage temperature: -40~85℃ Relative humidity: 5%～95%（no condensation）
Physical Characteristic	Housing: IP40 protection, metal Installation: DIN-Rail mounting Dimension (W x H x D): 35mm×110mm×95mm Weight: 346g
Industrial Standard	IEC 61000-4-2 (ESD), Level 4 ● Air discharge: ±16kV ● Contact discharge: ±8kV IEC 61000-4-5 (Surge), Level 4 ● Power supply, common mode ±4kV, differential mode ±2kV ● Ethernet interface: ±4kV Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	5 years

Ordering Information

Available Models	100M Fiber Port	100M Copper Port	Power Supply Range
IMC102B-F	1	2	12~48VDC

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