



IMC102B Series

DIN-Rail Mounting

3-port 100M Unmanaged Industrial Media Converter

- Support 1 100M fiber port and 2 100M copper port
- Support 12~48VDC or 100~240VAC/DC device (optional)
- Support -40~75°C wide operating temperature range



Industrial Grade Fanless Design

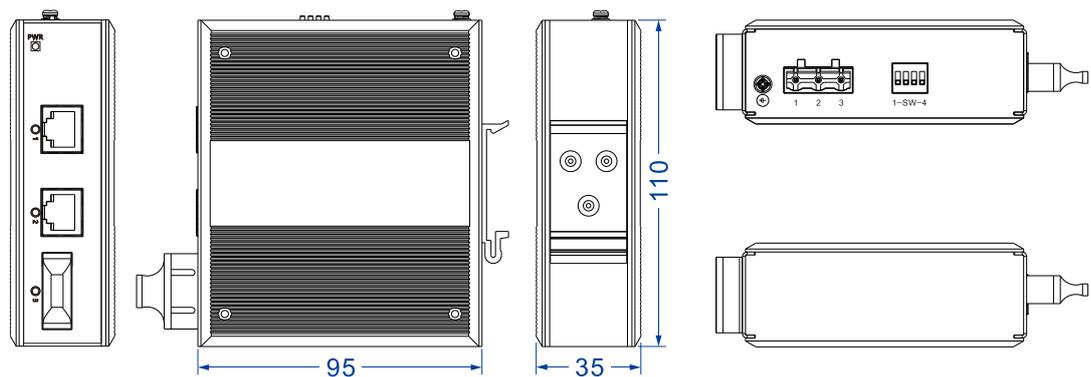
Introduction

IMC102B series are 3-port 100M unmanaged industrial media converters. This series provide 100M copper ports and 100M fiber ports, support optional 12~48VDC or 100~240VAC/DC power supply. They adopt DIN-Rail mounting to meet the requirements of different application scenes.

DIP switch can implement functions such as flow control and specified port speed. The hardware adopts fanless, low power consumption and wide temperature and voltage design, which has passed rigorous industrial standard tests, and suits for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, railway transportation, smart city, safe city, new energy, intelligent manufacturing 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 IEEE 802.3x for Flow Control
Interface	Copper port: 10/100Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotuning Fiber port: 100Base-FX, optional SC/ST/FC
Indicator	Interface indicator, Power indicator
Switch Property	Transmission mode: store and forward

MAC address: 2K
 Packet buffer size: 1Mbit
 Backplane bandwidth: 1.6G
 Switch time delay: <10μs

Power supply	IMC102B-F-P(12~48VDC)
	<ul style="list-style-type: none"> ● Voltage range: 12~48VDC. ● Connection mode: 3-pin 7.62mm pitch terminal blocks ● Power protection: support anti-reverse connection
	IMC102B-F-P(100~240VAC)
	<ul style="list-style-type: none"> ● Power supply range: 100~240VAC/DC. ● Connection mode: 3-pin 7.62mm pitch terminal blocks

	Available Models	No-load	Full-load
Power consumption	IMC102B-F-P(12~48VDC)	1.6W@24VDC	2.0W@24VDC
	IMC102B-F-P(100~240VAC)	1.6W@220VAC	2.0W@220VAC

Working environment	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: 340g

Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 3
	IEC 61000-4-4 (EFT, electrical fast transient pulses), Level 3
	IEC 61000-4-5 (Surge), Level 3
	Shock: IEC 60068-2-27
	Free fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6

Certification	CE, FCC, RoHS
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Warranty	5 years
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Ordering Information

Available Models	100M fiber port	100M copper port	Power supply
IMC102B-F-P(12~48VDC)	1	2	12~48VDC
IMC102B-F-P(100~240VAC)	1	2	100~240VAC/DC



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