



IMC100M Series

DIN-Rail Mounting

1/2 Copper Ports + 1 Fiber Port 100M/Gigabit Industrial Media Converter

- Support up to 2 100M copper ports, 1 100M fiber port, 2 Gigabit copper ports or 1 Gigabit fiber port
- Input voltage: 12~48VDC or 220VAC
- Support -40~75°C wide operating temperature range



Industrial Grade

Introduction

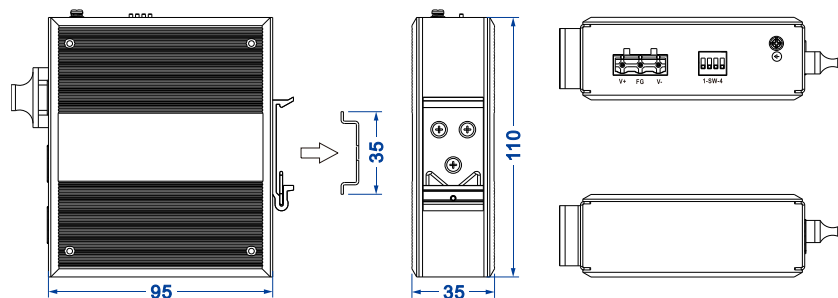
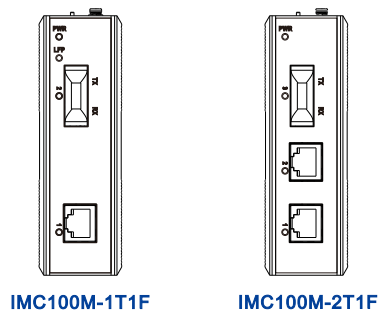
IMC100M Series are 2/3-port 100M/Gigabit industrial media converter. This series provide 6 products and support a variety of interfaces including 100M copper ports, Gigabit copper ports, 100M fiber ports, Gigabit fiber ports and Gigabit SFP slots. They adopt DIN-Rail mounting to meet the requirements of different application scenes.

The DIP switch could implement functions like local and remote control, and flow control. The 1 copper port + 1 fiber port products support LFP. When the port of the device has link failures, the LFP indicator would be on to send alert, offering quick troubleshooting on the scene. 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.

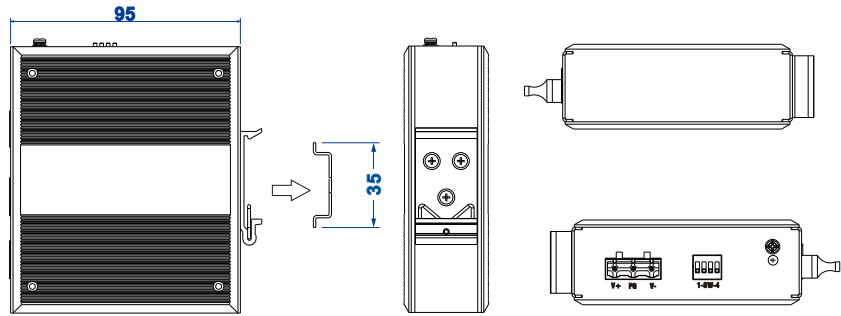
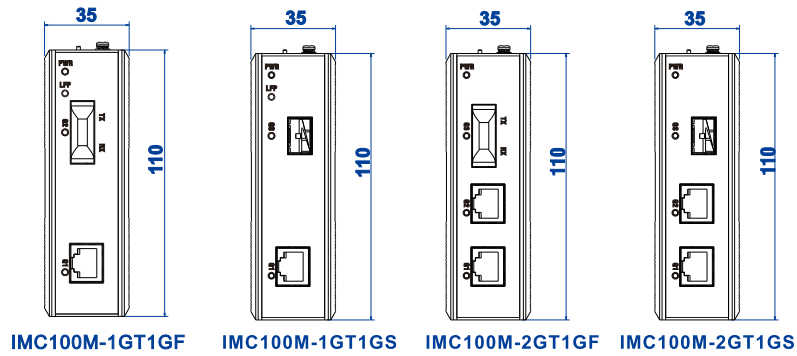
Dimension

Unit: mm

- 100M Media Converter



- Gigabit Media Converter



Specification

Standard & Protocol	<p>IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X</p>
Interface	<p>Copper port: 10/100Base-T(X) or 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotuning</p> <p>Fiber port: 100Base-FX, 1000Base-X, SFP slot or 1×9 optical module</p>
Indicator	<p>Interface Indicator, Power Supply Indicator, LFP Indicator (1 copper port and 1 fiber port product only)</p>
Switch Property	<p>Transmission mode: store and forward Switch time delay: <math><10\mu\text{s}</math> 100M Products:</p> <ul style="list-style-type: none"> ● MAC address: 2K ● Packet buffer size: 0.75M ● Backplane bandwidth: 0.8G <p>Gigabit Products:</p>

- MAC address: 8K
- Packet buffer size: 1M
- Backplane bandwidth: 14G

Power Supply	Input voltage: 12~48VDC or 220VAC, DC power nonpolarity
Power Consumption	No-load: ≤1.47W@24VDC Full-load: ≤1.95W@24VDC
Working environment	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5%~95% (no condensation)
Physical Characteristic	Housing: IP40 protection, corrugated high-strength metal Installation: DIN-Rail mounting Weight: ≤355.6g Dimension (W x H x D): 35mm×110mm×95mm
Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 3 <ul style="list-style-type: none"> ● Air discharge: ±8kV ● Contact discharge: ±6kV IEC 61000-4-4 (EFT, electrical fast transient pulses), Level 3 <ul style="list-style-type: none"> ● Power supply: ±2kV ● Signal: ±1kV IEC 61000-4-5 (Surge), Level 3 <ul style="list-style-type: none"> ● Power supply: common mode±2kV, differential mode±1kV ● Signal: common mode ±1kV, differential mode ±1kV
Certification	CE, FCC, RoHS certification
Warranty	5 years

Ordering Information

Available Models	100M Copper Port	Gigabit Copper Port	100M Fiber Port	Gigabit Fiber Port	Gigabit SFP	Power Supply
IMC100M-1T1F-N	1	—	1	—	—	12~48VDC or 220VAC
IMC100M-2T1F-N	2	—	1	—	—	
IMC100M-1GT1GF-N	—	1	—	1	—	
IMC100M-1GT1GS-N	—	1	—	—	1	
IMC100M-2GT1GF-N	—	2	—	1	—	
IMC100M-2GT1GS-N	—	2	—	—	1	