



IMC100-2T1F-1D(3IN1)

DIN-Rail Mounting

Managed Industrial Media Converter

- Support 1 100M fiber port, 2 100M copper ports and 1 3IN1 serial port
- Support dual power supply, input voltage: 9~70VDC
- Support -40 ~ 85°C wide temperature range operation



Introduction

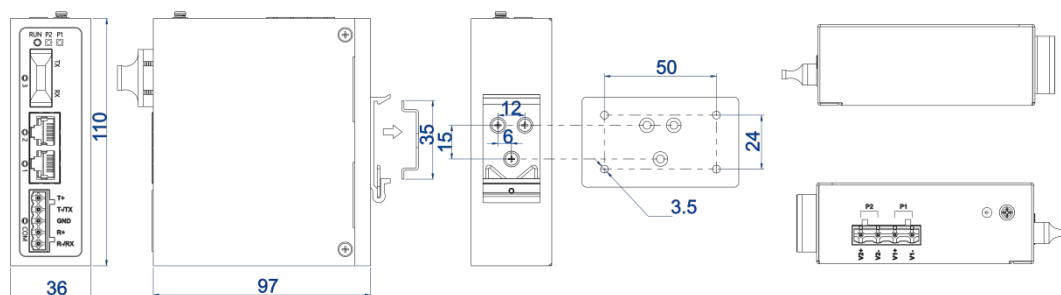
IMC100-2T1F-1D is 4-port managed industrial media converter which provides 100M fiber port, 100M copper port and 3IN1 serial port. It adopts DIN-Rail mounting to meet the requirements of different scenes.

The network management system supports message suppression of broadcast, multicast and unknown unicast. Functions like One-Key VLAN, Serial Port Parameter Configuration, Operating Mode Configuration, IP Address Filtering, MAC Address Filtering, Alarm Setting, File Management and User Password Management are also supported. Network management system could provide you with great user experience via its friendly interface design and convenient operation.

The power supply input consists of two independent power supply circuits, which can ensure device's normal operation when one fails. The hardware adopts fanless, low power consumption and wide temperature and voltage range design. It also 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, safe city, new energy, intelligent manufacturing and other industrial fields.

Dimension

Unit: mm



Specification

<p>Standard & Protocol</p>	<p>IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100BaseFX IEEE 802.3x for flow control</p>
<p>Interface</p>	<p>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</p>

Serial port: RS-232/422/485 (3IN1)

<p>Serial Port</p>	<p>Serial port quantity: 1 RS-232/422/485 RS-485 signal: D+, D-, GND RS-422 signal: T+, T-, R+, R-, GND RS-232 signal: RX, TX, GND Check bit: None, Even, Odd Data bit: 7bit, 8bit Stop bit: 1bit, 2bit Baud rate: 300bps-115200bps Direction control: RS-485 adopts automatic data flow control technique Load capability: RS-485 supports 32-point polling environment</p>
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<p>LED Indicator</p>	<p>Running indicator, port indicator, power supply indicator, serial port receiving and sending indicator</p>
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<p>Switch Property</p>	<p>Transmission mode: store-and-forward MAC address: 16K Packet buffer size: 4Mbit Backplane bandwidth: 5.6G</p>
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<p>Power Requirement</p>	<p>9~70VDC, dual power supply redundancy 4-pin pitch 7.62mm terminal block</p>
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<p>Power Consumption</p>	<p>No-load: 3.00W@24VDC Full-load: 3.24W@24VDC</p>
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<p>Operating Environment</p>	<p>Operating temperature: -40~85°C Storage temperature: -40~85°C Relative humidity: 5% ~ 95% (no condensation)</p>
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<p>Physical Characteristic</p>	<p>Housing: IP40 protection, metal Installation: DIN-Rail mounting Dimension (W x H x D): 36mm×110mm×97mm Weight: 410g</p>
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<p>Industrial Standard</p>	<p>IEC61000-4-2 (ESD, Electrostatic Discharge), Level 3</p> <ul style="list-style-type: none"> ● Air discharge: ±8kV ● Contact discharge: ±6kV
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<p>Industrial Standard</p>	<p>IEC61000-4-4 (EFT, Electrical fast transient), Level 3</p> <ul style="list-style-type: none"> ● Power supply: ±2kV ● Ethernet port: ±1kV
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IEC61000-4-5 (Surge), Level 3

- Power supply: differential mode \pm 1kV, common mode \pm 2kV
- Signal: differential mode \pm 1kV, common mode \pm 2kV

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 Copper Port	100M Fiber Port	3IN1 Serial Port	Power Supply
IMC100-2T1F-1D	2	1	1	9~70VDC (dual power supply)



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