



## IMC101B-F

DIN-Rail Mounting

2-port 100M Unmanaged Industrial Media Converter

- Support 1 100M fiber port, 1 100M copper port
- Support input voltage: 12~48VDC, nonpolarity, reverse polarity protection
- Support -40~75°C wide operating temperature range



ICP Alphatec  
Tel: +44 (0) 203 086 9569

[www.icpalphatec.com](http://www.icpalphatec.com)  
Email: [sales@icpalphatec.com](mailto:sales@icpalphatec.com)

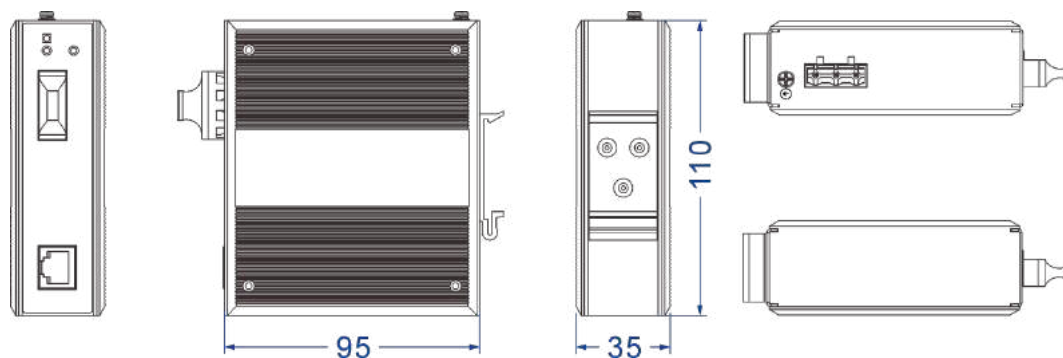
## Introduction

IMC101B-F is 2-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 Autotuning 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: < 10 $\mu$ s

<b>Power Requirement</b>	12~48VDC, 3-pin 7.62mm pitch terminal blocks Support nonpolarity, reverse polarity protection
<b>Power Consumption</b>	No-load: 1.20W@24VDC Full-load: 1.37W@24VDC
<b>Environmental Limit</b>	Operating temperature: -40~75°C Storage temperature: -40~85°C Relative humidity: 5% ~ 95% (no condensation)
<b>Physical Characteristic</b>	Housing: IP40 protection, metal Installation: DIN-Rail mounting Dimension (W x H x D): 35mm×110mm×95mm Weight: 340g
<b>Industrial Standard</b>	IEC 61000-4-2 (ESD), Level 4 <ul style="list-style-type: none"><li>● Air discharge: <math>\pm</math>16kV</li><li>● Contact discharge: <math>\pm</math>8kV</li></ul> IEC 61000-4-5 (Surge), Level 4 <ul style="list-style-type: none"><li>● Power supply, common mode <math>\pm</math>4kV, differential mode <math>\pm</math>2kV</li><li>● Ethernet interface: <math>\pm</math>4kV</li></ul> Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
<b>Certification</b>	CE, FCC, RoHS
<b>Warranty</b>	5 years

## Ordering Information

Part No	Article No/SKU	Description
IMC101B-F(SSC)	AT-IMC101B-F(SSC)	Unmanaged I.E DIN-Rail Media Convertor with 1 x 10/100Base-T(X) RJ45 port + 1 X 100Base-FX Single-mode, SC, 20KM fiber port. Single power supply: 12-48VDC input



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[www.icpalphatec.com](http://www.icpalphatec.com)  
Email: [sales@icpalphatec.com](mailto:sales@icpalphatec.com)



Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China  
TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485  
E-mail: [ics@3onedata.com](mailto:ics@3onedata.com)  
Website: [www.3onedata.com](http://www.3onedata.com)

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