



IMC101GT Series

DIN-Rail Mounting

2-port Full Gigabit Unmanaged Industrial Media Converter

- Support 1 Gigabit fiber port or SFP slot optional, 1 Gigabit copper port
- Support input voltage 12~48VDC, nonpolarity, reverse polarity protection
- Support -40~75°C wide operating temperature range



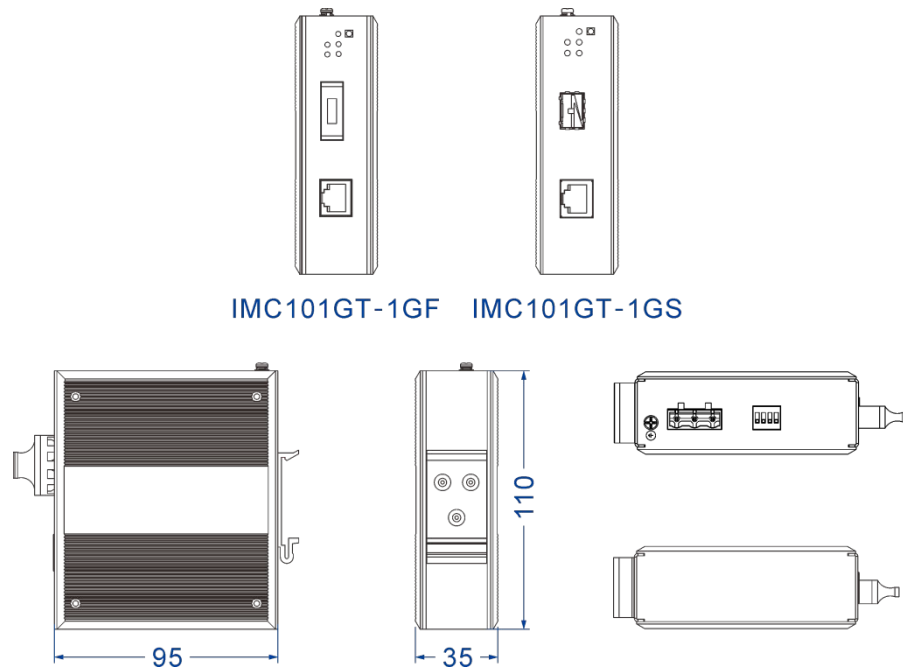
Introduction

IMC101GT series are 2-port full Gigabit unmanaged industrial media converter. This series include two types of products and provide Gigabit copper port, Gigabit fiber port and Gigabit SFP slot. It adopts DIN-Rail mounting to meet the requirements of different application scenes.

Design of DIP switch can realize flow control, copper port with the specified speed of 100M, LFP alarm and jumbo frame. 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, intelligent manufacturing and other industrial fields.

Dimension

Unit:mm



Specification

Standard & Protocol

IEEE 802.3 for 10Base-T
IEEE 802.3u for 100Base-TX
IEEE 802.3z for 1000Base-X

	IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow Control									
Interface	Copper port: 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotuning Fiber port: 1000Base-FX, SC/ST/FC optional SFP slot: 1000Base-SFP									
LED Indicator	Running indicator, Port Indicator, Power Supply Indicator, LFP indicator									
Switch Property	Transmission mode: store and forward MAC address: 1K Packet buffer size: 1Mbit Backplane bandwidth: 12G Switch time delay: < 10μs									
Power Requirement	12~48VDC, 3-pin 7.62mm pitch terminal blocks Support nonpolarity, reverse polarity protection									
Power Consumption	<table border="1"> <thead> <tr> <th>Model</th> <th>No-load (@24VDC)</th> <th>Full-load (@24VDC)</th> </tr> </thead> <tbody> <tr> <td>IMC101GT-1GF</td> <td>1.03W</td> <td>1.27W</td> </tr> <tr> <td>IMC101GT-1GS</td> <td>1.39W</td> <td>1.66W</td> </tr> </tbody> </table>	Model	No-load (@24VDC)	Full-load (@24VDC)	IMC101GT-1GF	1.03W	1.27W	IMC101GT-1GS	1.39W	1.66W
Model	No-load (@24VDC)	Full-load (@24VDC)								
IMC101GT-1GF	1.03W	1.27W								
IMC101GT-1GS	1.39W	1.66W								
Environmental Limit	Operating temperature: -40~75°C Storage temperature: -40~85°C 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: ≤350g									
Industrial Standard	IEC 61000-4-2 (ESD), Level 4 <ul style="list-style-type: none"> Air discharge: ±16kV Contact discharge: ±8kV IEC 61000-4-4 (EFT), Level 2 (IMC101GT-1GF) <ul style="list-style-type: none"> Power supply: ±1kV Ethernet interface: ±0.5kV IEC 61000-4-4 (EFT), Level 1 (IMC101GT-1GS) <ul style="list-style-type: none"> Power supply: ±0.5kV Ethernet interface: ±0.25kV Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6									

Your Reliable Industrial Communication Expert

Certification	CE, FCC, RoHS
Warranty	5 years



Ordering Information

Available Models	Gigabit Fiber Port	Gigabit SFP Slot	Gigabit Copper Port	Power Supply Range
IMC101GT-1GF	1	-	1	12~48VDC
IMC101GT-1GS	-	1	1	



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

Website: www.3onedata.com

◀ [Please scan our QR code for more details](#)

*Product pictures and technical data in this datasheet are only for reference. Updates are subject to change without prior notice. The final interpretation right is reserved by 3onedata.