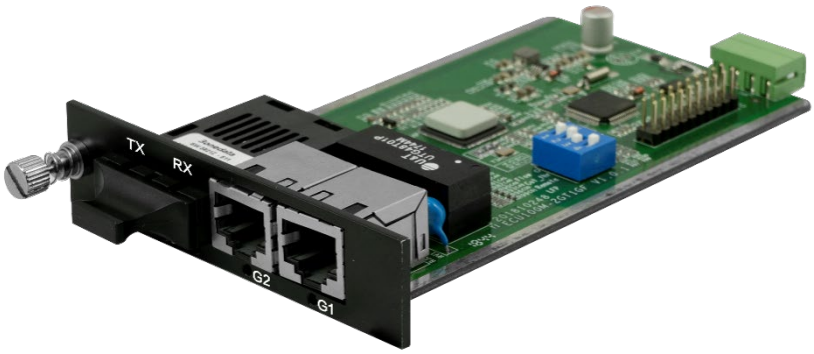
3onedata
Reliable Connections



ECU100 Series

Slide-in Mounting

100M/Gigabit Industrial Media Converter Unmanaged Daughter Card

- Support up to 1 100M copper port, 1 100M fiber port, 2 Gigabit copper ports or 2 Gigabit fiber ports
- Input voltage 5VDC
- Support -40~75℃ wide operating temperature range

Industrial Grade

Introduction

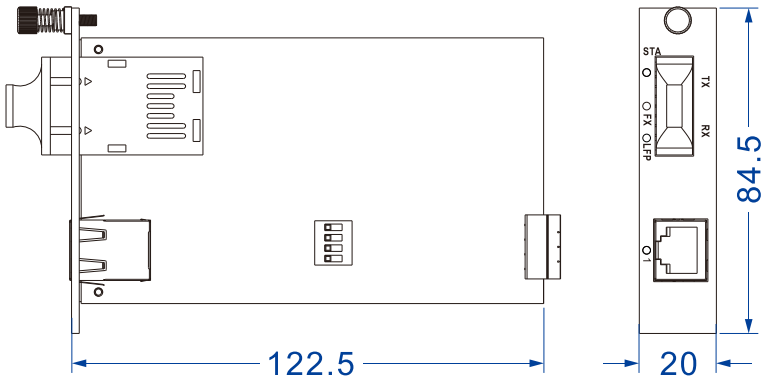
ECU100 series are 100M/Gigabit industrial fiber converter unmanaged daughter cards. The series include five types of products and provide 100M copper port, 100M fiber port, Gigabit copper port, Gigabit fiber port and Gigabit SFP slot. It adopts slide-in mounting. And the daughter card could be used with the media converter management card, media converter rack, media converter.

The DIP switch could implement flow control. The 1 copper port + 1 fiber port products support LFP. When the LFP function is turned on and the port has link failures, the LFP indicator would be on to send alert, offering quick troubleshooting on the scene. Hardware adopts 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, railway transportation, smart city, safe city, new energy, intelligent manufacturing and other industrial fields.

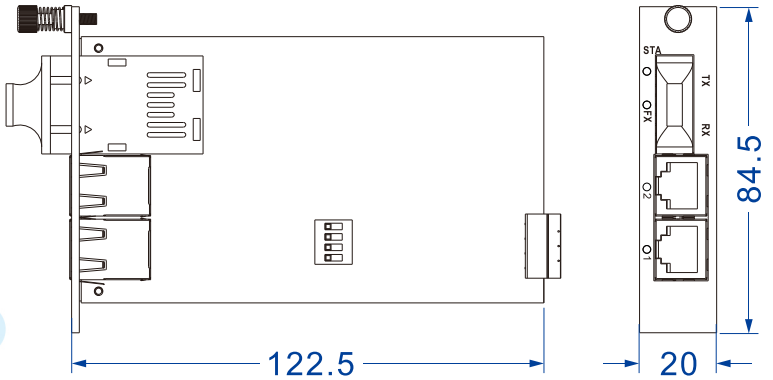
Dimension

Unit:mm

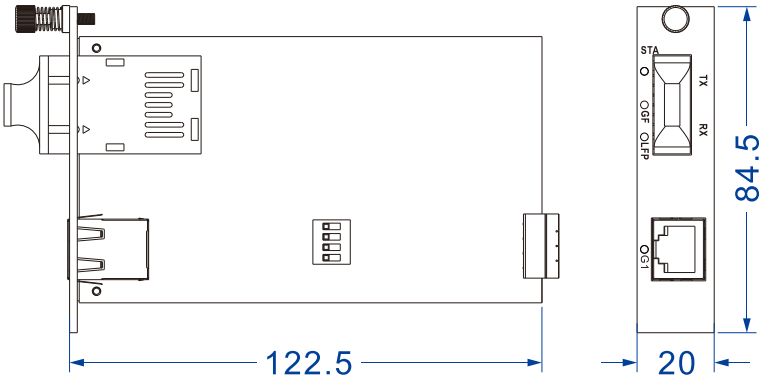
- ECU100-1T1F



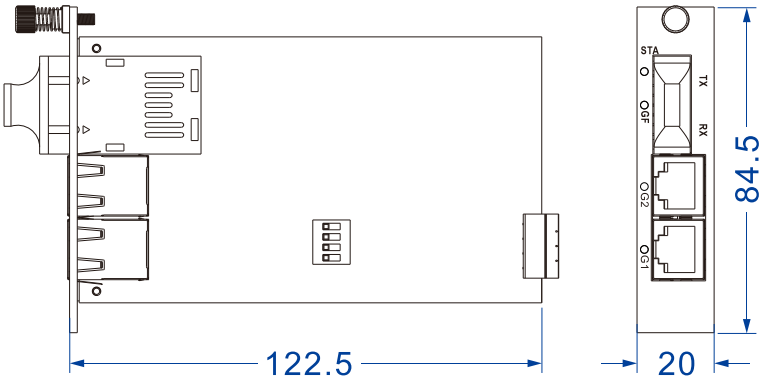
- ECU100-2T1F



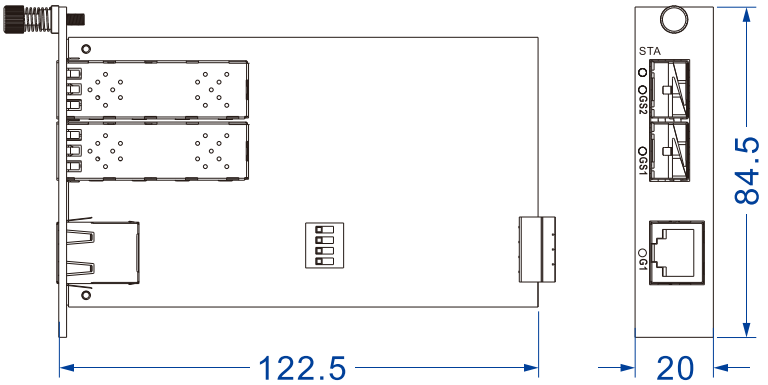
- ECU100-1GT1GF



- ECU100-2GT1GF



- ECU100-1GT2GS



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3z for 1000Base-X IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow Control
Interface	Copper port: 10/100Base-T(X) or 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X

	Autotunning 1×9 fiber port: 100Base-FX or 1000Base-FX SFP slot: 1000Base-X, SFP slot
Indicator	STA Running Indicator, Port Indicator, LFP Indicator(1 copper port 1 fiber port product only)
Switch Property	Transmission mode: store and forward Switch time delay: ＜10μs 100M Products: ● MAC address: 2K ● Packet buffer size: 0.75M ● Backplane bandwidth: 0.8G Gigabit Products: ● MAC address: 8K ● Packet buffer size: 1M ● Backplane bandwidth: 14G
Power supply	Input voltage: 5VDC
Power consumption	No-load: ≤1.5W@5VDC Full-load: ≤2.0W@5VDC
Working environment	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5%～95% (no condensation)
Physical Characteristic	Installation: slide-in mounting Weight: ≤80g Dimension (W x H x D): 84.5mm×20.0mm×122.5mm
Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge) ● Air discharge: ±8kV ● Contact discharge: ±6kV IEC 61000-4-4 (EFT, electrical fast transient pulses) ● Power supply: ±2kV ● Signal: ±1kV IEC 61000-4-5 (Surge) ● Power supply: common mode±2kV, differential mode±1kV ● Signal: common mode ±2kV, differential mode ±1kV

Certification	CE, FCC, RoHS certification
Warranty	3 years

Ordering Information

Available Models	100M Copper Port	Gigabit Copper Port	100M Fiber Port	Gigabit Fiber Port	Gigabit SFP	Power supply
ECU100-1T1F	1	—	1	—	—	
ECU100-2T1F	2	—	1	—	—	
ECU100-1GT1GF	—	1	—	1	—	5VDC
ECU100-2GT1GF	—	2	—	1	—	
ECU100-1GT2GS	—	1	—	—	2	

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.