

## ECU100M Series

Slide-in Mounting

100M/Gigabit Industrial Fiber Converter Management Daughter Card

- Support 1 100M copper port, 1 100M fiber port, 2 gigabit copper ports and 2 gigabit fiber ports at maximum
- Input voltage: 12VDC
- Support -40~75°C wide temperature range operation



## Introduction

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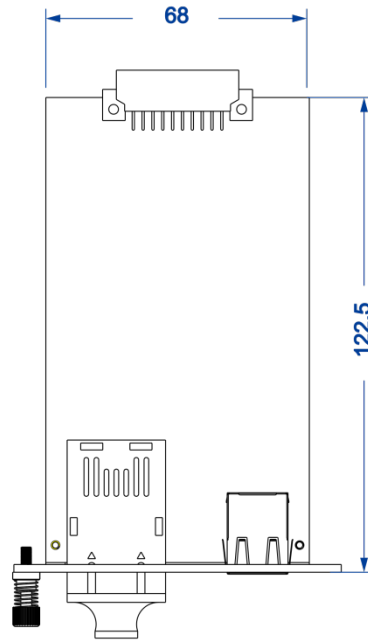
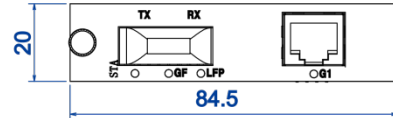
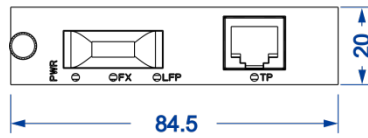
ECU100M Series are 100M/gigabit industrial fiber converter management daughter cards. The series include four types of products and provide 100M copper/fiber port, gigabit copper/fiber port and gigabit SFP slot. It adopts slide-in mounting. And the 100M fiber converter management daughter card could be used matching with the 100M fiber converter management card, fiber converter rack, 100M fiber converter. The gigabit fiber converter management daughter card could be used matching with the gigabit fiber converter management card, fiber converter rack and gigabit fiber converter.

The series adopt industrial grade design and support IEEE802.3/802.3u/802.3x/802.3ab standard. Its copper port supports 10/100M or 10/100/1000M, full/half duplex, MDI/MDI-X self-adaption, store-and-forward and cut-through mode setting.

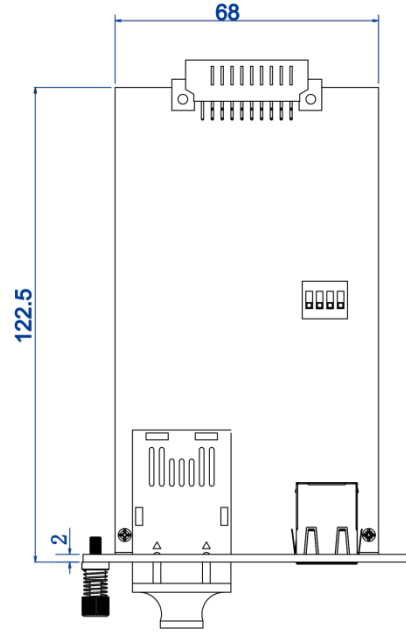
The DIP switch could implement functions like remote control, cut-through and flow control. The 1 copper port + 1 fiber port products also support LFP. When the LFP function is turned on and the port has link failures, the LFP indicator would be bright to send alert, offering quick troubleshooting on 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, aerospace, intelligent manufacturing, military project and other industrial fields.

# Dimension

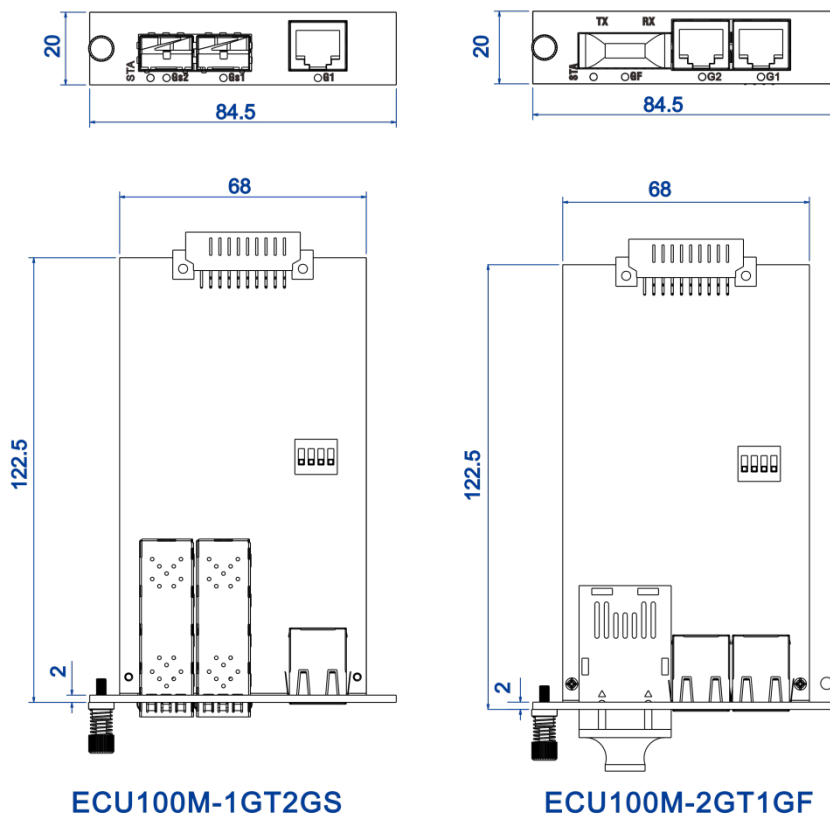
Unit:mm



**ECU101M**



**ECU100M-1GT1GF**



## Specification

Standard & Protocol	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3z for 1000BaseSX IEEE 802.3ab for 1000BaseTX 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 Autotuning Fiber port: 100Base-FX or 1000Base-FX SFP slot: 1000Base-SFP
LED Indicator	Gigabit STA running Indicator, Port Indicator, 100M Power Supply Indicator, LFP Indicator(1 copper port 1 fiber port product only)
Exchange Attributes	Transmission mode: store-and-forward or cut-through Switch time delay: < 10μs

100M Products

- MAC address: 1K
- Cache size: 0.28M
- Backplane bandwidth: 0.6G

Gigabit Products

- MAC address: 8K
- Cache size: 1M
- Backplane bandwidth: 6G

<b>Power Supply</b>	Input voltage: 12VDC
<b>Power Consumption</b>	No-load: ≤1.5W@12VDC Full-load: ≤2.0W@12VDC
<b>Operating Environment</b>	Operating temperature range: -40~75°C Storage temperature range:-40~85°C Relative humidity: 5% ~ 95% (no condensation)
<b>Physical Characteristic</b>	Installation: slide-in mounting Weight: ≤80g Dimension (W x H x D): 84.5mm×20.0mm×122.5mm
<b>Industrial Standard</b>	IEC 61000-4-2: 2001 <ul style="list-style-type: none"> <li>● Air discharge: 8kv</li> <li>● Contact discharge: 6kv</li> </ul> IEC 61000-4-4: 2004 <ul style="list-style-type: none"> <li>● Power supply 2kv</li> <li>● Signal 1kv</li> </ul> IEC 61000-4-5: 2005 <ul style="list-style-type: none"> <li>● Power supply ,differential mode 1kv common mode 2kv</li> <li>● Signal , differential mode 1kv common mode 2kv</li> </ul>
<b>Certification</b>	CE、FCC、RoHS certification
<b>Warranty</b>	Warranty period: 5 years

## Ordering Information

Available Models	100M Copper Port	Gigabit Copper Port	100M Fiber Port	Gigabit Fiber Port	Gigabit SFP	Power Supply
ECU101M	1	—	1	—	—	12VDC
ECU100M-1GT1GF	—	1	—	1	—	
ECU100M-2GT1GF	—	2	—	1	—	
ECU100M-1GT2GS	—	1	—	—	2	



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