3onedata
Reliable Connections



MC201-F Series

Wall Mounting

1 CAN to Fiber MODEM

- Support 1 CAN port to 1 fiber port
- CAN port supports two options for choosing baud rate, automatic detection and user definition. The range of baud rate is 2.5kbps-1000kbps
- Data receiving/storing/forwarding could be achieved between 2 CAN networks with different rates when used in pairs
- It can extend CAN bus transmission distance, the transmission distance of fiber port can reach up to 15km
- Support 5VDC or 12VDC power input
- Support -40~75℃ wide operating temperature range

Introduction

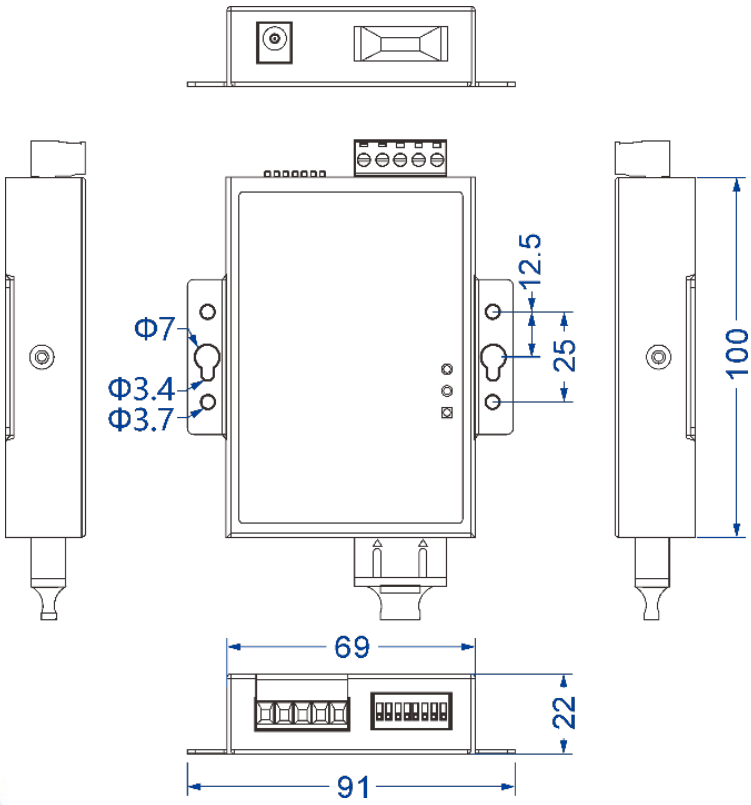
MC201-F series is a CAN bus signal to optical signal converter. It's specially designed for solving problems like short transmission distance and electromagnetic interference during CAN bus transmission. It supports 1 CAN port to 1 fiber port transparent transmission, supports 5VDC or 12VDC power input, and adopts wall mounting which can meet the requirements of different scenes.

DIP switch could implement baud rate setting of CAN port. 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 PLC control and management, building automation, healthcare automation system, measuring instrument and environment monitoring system, etc.

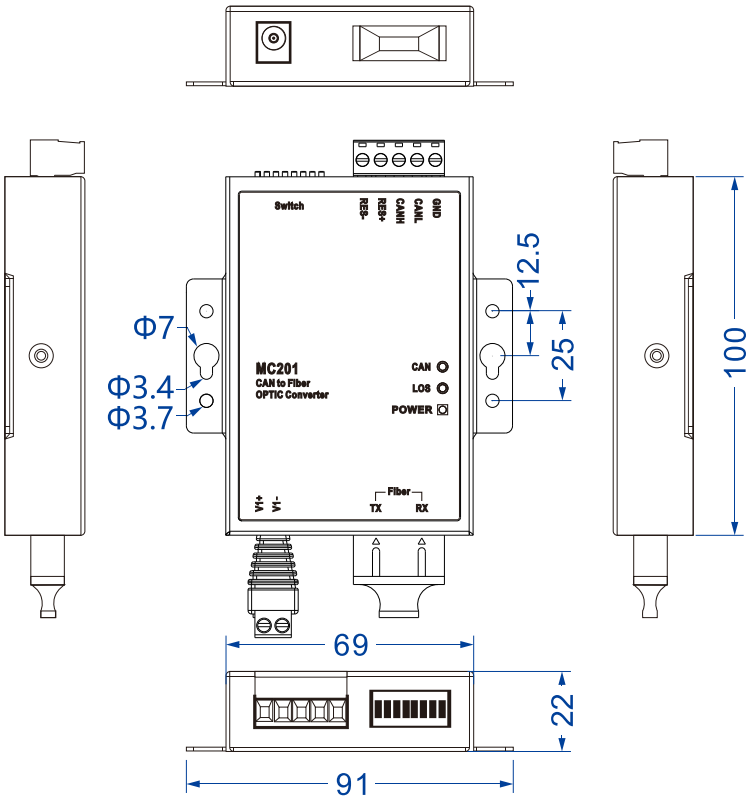
Dimension

Unit:mm

- MC201-F-5VDC



- MC201-F-12VDC



Specification

Fiber Port	Interface form：SC/ST/FC Transmission distance： ● multimode：2km ● single mode：15km Optical cable： ● multimode：50/125μm or 62.5/125μm ● single mode：8.3/125μm、8.7/125μm、9/125μm or 10/125μm Transmission wavelength： ● multimode：1310nm ● single mode：1310nm or 1550nm
CAN Interface	Standard: CAN2.0A, CAN2.0B CAN signal: CANH, CANL, GND Duplex mode: 2-wire Half Duplex Mode Baud rate: 2.5kbps-1000kbps

	Load capacity: support concurrent transmitting of 110 nodes Transmission distance: 40m~10km Interface form: adopt 5-pin 5.08mm pitch terminal blocks Terminating resistor: optional external 120Ω terminating resistor Interface protection: 2kVAC isolation protection
LED Indicator	Power supply indicator, fiber port/data indicator, CAN port indicator
Power Requirement	5VDC，DC round head, standard power terminal 12VDC, using 2-pin 5.08mm pitch power terminal
Power Consumption	No-load: 1.31W@5VDC, 1.31W@12VDC Full-load: 1.39W@5VDC, 1.39W@12VDC
Environmental Limit	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5%~95% (no condensation)
Physical Characteristic	Housing: IP40 protection, metal Installation: wall mounting Dimension (W x H x D): 69mm×22mm×100mm Weight: 237g
Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 3 ● Air discharge: ±8kV ● Contact discharge: ±6kV Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	3 years

Ordering Information

Available Models	Fiber Port	CAN	Power Supply
MC201-F-5VDC	1	1	5VDC
MC201-F-12VDC	1	1	12VDC

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