

MWF204-F

4-Port RS232/485/422 to Fiber Converter



- 4xRS232/485/422 ports to 1x100Base-FX port
- Support long-distance communication, the longest transmission distance can reach 100km
- Support baud rate adaptation from 300bps to 115200bps
- Support 15kV electrostatic protection and 600W/ms lightning protection
- Support 128-node multi-machine communication
- Support DC5~12V power input
- Support operating temperature -20°C to +75°C





Product Description

MWF204-F serial to fiber converter can realize 4*RS232/485/422 serial port data transmission on one optical fiber. RS232 is a 3-wire system. RS485/422 supports multi-machine communication (128 contacts) and 4-channel data rate adaptation. At the same time, MWF204-F series serial port converter has zero-delay automatic transceiver conversion inside, and a unique I/O circuit automatically controls the direction of data flow without any handshake signals (such as RTS, DTR, etc.), ensuring that it is suitable for existing operating software and interface hardware to solve the contradiction between long communication distance, high communication speed, and many and scattered nodes. It also solves the problems of electromagnetic interference, ground ring interference and lightning damage, greatly improving the reliability and security of data communication, and confidentiality.

In terms of structural installation, MWF204-F series products adopt industrial-grade wall-mounted installation; in terms of core components, the product adopts high-quality design solutions with a transmission rate of 300bps~115200bps, which can form a point-to-point or point-to-multipoint remote multi-machine communication network between the main control computer and the main control computer and the microcontroller, or peripheral devices, to achieve multi-machine response communication. The products are widely used in industrial automation control systems, all-in-one cards, access control systems, parking systems, self-service banking systems, public car toll collection systems, canteen food sales systems, company employee attendance management systems, highway toll station systems, etc.



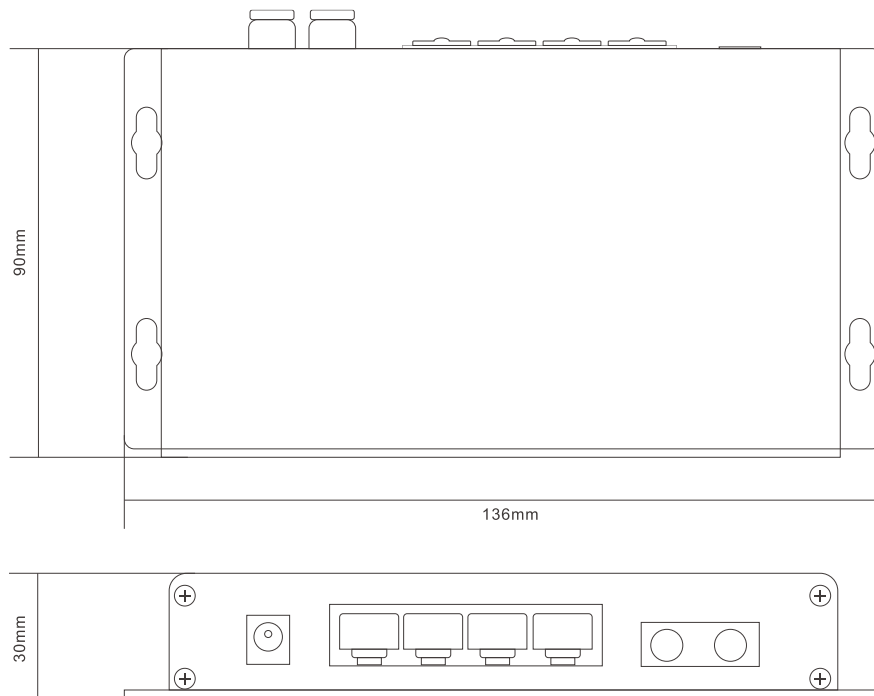
Specification

Interface	
Serial Port	Interface type: 4*RS232/485/422 Baud rate: 300bps~115200bps Connection method: RJ45 Number of nodes: RS485 supports 128 nodes Direction control: Automatically identify RS485 flow direction Interface protection: 15kV electrostatic protection, 600W/ms lightning protection
Fiber Port	Interface type: 1fiber port, ST/SC/FC optional Transmission distance: multi-mode 2~5km, single-mode 20km (40/60/100km optional) Transmission wavelength: multi-mode 850nm/1310nm or single-mode 1310nm/1550nm optional Fiber type: multi-mode fiber 62.5/125μm or 50/125μm, single-mode fiber 9/125μm Optical power and sensitivity: ≥-10dBm, ≤-34dBm (refer to different types of optical modules for details) Bit error rate: ≤10 ⁻⁹
Status LED	Power indicator, ERR indicator, serial port receiving and sending indicator
Power Supply	
Input Voltage	DC5~12V
Power Consumption	< 5W
Connection	DC round head
Physical Characteristics	
Dimensions	136×90×30 mm
Installations	Wall mount
Weight	About 0.6kg
Working Environment	
Operating Temp	-20°C~+75°C
Storage Temp	-40°C~+85°C
Relative Humidity	5%~95% (non-condensing)
Industry Standard	
Certification	CE, FCC, RoHS



Dimensions

Unit: mm





Ordering Information

Standard Model	RS232/485/422 Port	Fiber Port	Input Voltage
MWF204-F(M/S)	4	1	DC5~12V



Contact Us

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