

MWF208-F

8-Port RS232/485/422 to Fiber Converter



- 8xRS232/485/422 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

MWF208-F serial to fiber converter can realize 8*RS232/485/422 serial ports data transmission on one optical fiber. RS232 is a three-wire system, and RS485/422 supports multi-machine communication (128 contacts) and 4-channel data rate adaptation. At the same time, MWF208-F series optical transceiver 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 operations software and interface hardware to solve the contradiction between long communication distance, high communication speed, and numerous and dispersed nodes. It also solves the problems of electromagnetic interference, ground ring interference and lightning damage, greatly improving the reliability, security and safety of data communication.

In terms of structural installation, MWF208-F adopts 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 and point-to-multipoint remote multi-machine communication network between main controllers, main controllers and microcontrollers or peripherals, to realize multi-machine response communication.



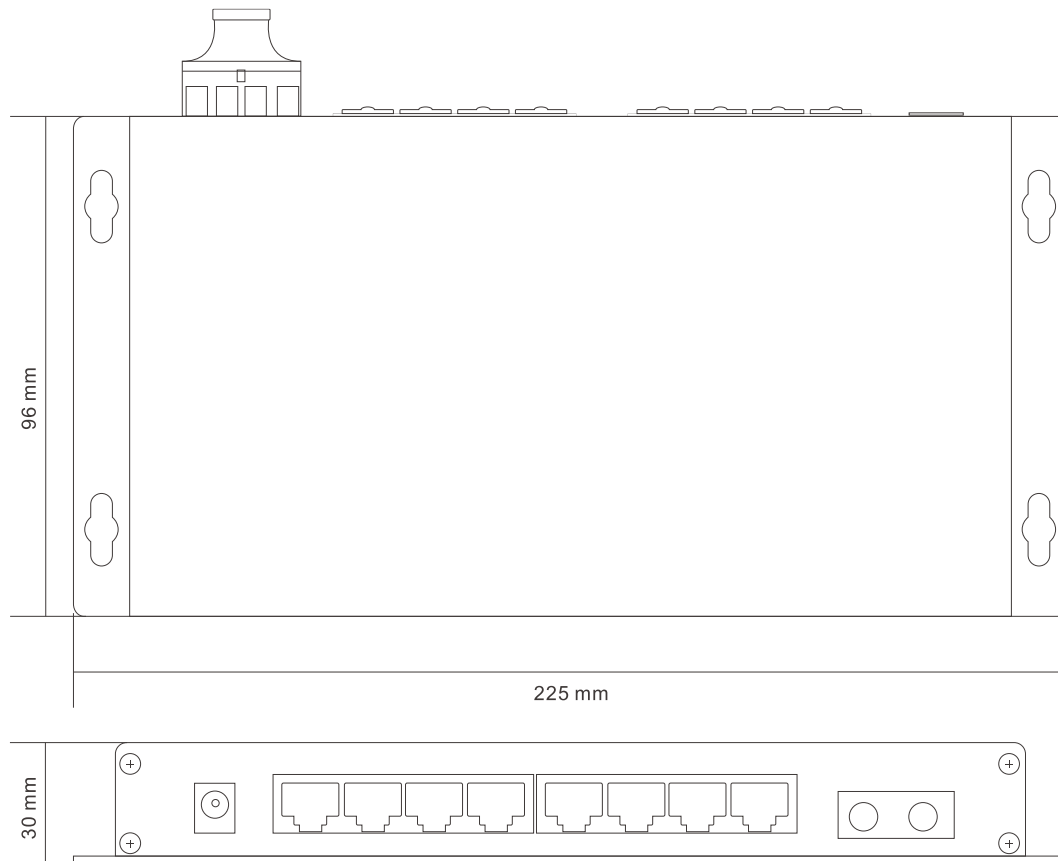
Specification

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: 1 fiber 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	225x96x30 mm
Installations	Wall mount
Working Environment	
Operating Temp	-20°C~+75°C
Storage Temp	-40°C~+85°C
Relative Humidity	5%~95% (non-condensing)



Dimensions

Unit: mm





Ordering Information

Standard Model	RS232/485/422 Port	Fiber Port	Input Voltage
MWF208-F(M/S)	8	1	DC5~12V



Contact Us

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