

# MWF201-F

## RS232/RS485/RS422 Serial to Fiber Converter

### Product description

The main function of MWF201 photoelectric converter is to realize the photoelectric conversion of RS-232/RS-485/422 signals. This series of products realizes long-distance transmission through RS-232 or RS-485 or RS-422 through optical fiber. Optical fiber converters use optical fiber as the transmission medium; have the advantages of isolation high voltage, anti-electromagnetic interference, anti-lightning, etc., widely used in various industrial controls, distributed data acquisition and other occasions, especially suitable for power system automation, traffic control and other departments.



### Features:

- RS-232/RS-485/RS-422 interface available;
- Signal flow is automatically identified and transparently transmitted;
- Imported optical transceiver module to ensure the transmission distance;
- The baud rate adapts without changing the user protocol;
- Industrial design, all surface mount technology.

## Product specifications

### Technical parameters

Standard	Compliant with EIA RS-232, RS-485, RS-422
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### Interface

Interface form	Serial Port: Electrical characteristics, Meet RS-232/RS-422/RS-485 Physical characteristics, Industrial terminal block Optical interface: Single multi-mode optional, SC/ST/FC optional
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### Communication rate

Baud Rate	300bps~115.2Kbps, rate adaptive signal
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### LEDs

Power indicator	POW
Data transmission indicator light	TX, RX

### Power

Power Supply	DC5V or 9V-30V,
Interface	BNC coaxial input, industrial terminal block
Power	<1W
Overload protection	Support
Lightning protection	600W/ms anti-lightning strike
Static protection	15kv anti-static

### Physical Characteristics

Shell	Aluminum housing, IP40 protection
Dimension	78mm×25mm×85mm

### Transmission distance

Serial port line	RS-232, 15m@9600bps RS-422/RS-485, 1.2km@9600bps
Multi-mode fiber	850nm/1310nm,2Km
Single mode fiber	1310nm, 20km/40km 1550nm, 60km/80km

### Working Environment

Operating Temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95%

### Warranty

Warranty	5 Years
<b>Certification</b>	
Certification	CE, FCC

## Ordering information

MWF201-M	<ul style="list-style-type: none"> <li>1.RS232/485/422 three-in-one terminal interface fiber converter.</li> <li>2.Multi-mode 2KM,SC,ST or FC connector are available.</li> <li>3.External DC5V or 9V~30V power input, standard PWR5-5 (DC5V/1A) power adapter.</li> <li>4.Aluminum alloy shell desktop installation.</li> </ul>
MWF201-S	<ul style="list-style-type: none"> <li>1.RS232/485/422 three-in-one terminal interface fiber converter.</li> <li>2.Single-mode 20KM,40km/60km/80km are available;SC,ST or FC connector are available.</li> <li>3.External DC5V or 9V~30V power input, standard PWR5-5 (DC5V/1A) power adapter.</li> <li>4.Aluminum alloy shell desktop installation.</li> </ul>