

RS232/RS485/RS422 Serial To Media Converter

MWF201



- ◆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 Description

MWF201 fiber converter: The main function is realizing photoelectric conversion of RS-232/RS-485/RS-422 signals. This series of products realizes long-distance transmission of RS-232 or RS-485 or RS-422 through optical fiber. Fiber optic converters use optical fiber as the transmission medium, it has the advantages of isolation high voltage, anti-electromagnetic interference, anti-lightning and so on. They are widely used in various industrial control, distributed data acquisition and other occasions, especially in power system automation, traffic control and other departments.

Technical Specification	
Technical parameters	
Standard	Compliant with EIA RS-232, RS-485, RS-422
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
Communication rate	
Baud Rate	300bps~115.2Kbps, rate adaptive signal
LEDs	
Power indicator	POW
Data transmission indicator light	TX, RX
Power	
Power Supply	DC5 ~ 30V, AC85 ~ 265V/DC110 ~ 370V
Interface	BNC coaxial input, industrial terminal block
Power	<1W
Overload protection	Support
Lightning protection	600W/ms anti-lightning strike
Static protection	15kv antistatic
Physical Characteristics	
Shell	Aluminum housing
Dimension	90mm×30mm×70mm (Length × height × width) (MWF-201-K) (Bare board plug-in type, used with MR16) 110mm×26mm×72mm (Length × height × width) (MWF-201-G) (Shell: Din rail mounted) 78mm × 25mm × 85mm (Length × height × width) (MWF-201) (Desktop DC power supply) 108mm × 34mm × 126mm (Length × height × width) (MWF-201-KG) (Metal din rail mounted) 100mm × 36mm × 105mm (Length × height × width) (MWF-201-A220) (Desktop AC power)
Weight	0.4kg
Transmission distance	

Serial port line	RS-232, 15m@9600bps RS-422/RS-485, 1.2km@9600bps
Multimode fiber	1310nm, 5km
Single mode fiber	1310nm, 20km/40km 1310nm, 60km/80km
Working Environment	
Operating Temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95%
Warranty	
Warranty	5 Years
Certification	
Certification	CE, FCC

Product Ordering Information

Ordering Information	
MWF201 Types1: (RS232/485/422 three-in-one terminal block interface fiber converter)	
MWF201-M	RS232/485/422 three-in-one terminal block interface fiber converter: 1) Multi-mode: 2Km; 2) External supply DC5V or 9~30V; 3) Standard PWR5-5 (DC5V/1A) power adapter, aluminum alloy case desktop installation.
MWF201-S	RS232/485/422 three-in-one terminal block interface fiber converter: 1) Single-mode: 20Km; 2) External supply DC5V or 9~30V; 3) Standard PWR5-5 (DC5V/1A) power adapter, aluminum alloy case desktop installation.
MWF201-M-G	RS232/485/422 three-in-one terminal block interface fiber converter: 1) Multi-mode: 2Km; 2) External supply DC5V ~30V; 3) Standard PWR5-5 (DC5V/1A) power adapter, DB9 plastic case.
MWF201-S-G	RS232/485/422 three-in-one terminal block interface fiber converter: 1) Single-mode: 20Km; 2) External supply DC5V ~30V; 3) Standard PWR5-5 (DC5V/1A) power adapter, DB9 plastic case.
MWF201-M-K G	RS232/485/422 three-in-one terminal block interface fiber converter: 1) Multi-mode: 2Km; 2) External supply DC5V ~30V; 3) Standard PWR5-5 (DC5V/1A) power adapter, aluminum alloy case desktop installation.
MWF201-S-KG	RS232/485/422 three-in-one terminal block interface fiber converter: 1) Single-mode: 20Km; 2) External supply DC5V ~30V; 3) Standard PWR5-5 (DC5V/1A) power adapter, aluminum alloy case desktop installation.
MWF201-M-K G-AD220	RS232/485/422 three-in-one terminal block interface fiber converter: 1) Multi-mode: 2Km; 2) Support built-in AC220V isolated power supply, aluminum alloy case desktop installation.
MWF201-S-KG -AD220	RS232/485/422 three-in-one terminal block interface fiber converter: 1) Single-mode: 20Km; 2) Support built-in AC220V isolated power supply, aluminum alloy case desktop installation.

MWF201 Types2:

RS232/485/422 Three-in-one serial port (DB9 pin) rack-mount fiber optic MODEN series

MWF201-M-K	RS232/485/422 three-in-one DB9M interface: 1) Multi-mode: 2Km; 2) Plug-in type.
MWF201-S-K	RS232/485/422 three-in-one DB9M interface: 1) Single-mode: 20Km; 2) Plug-in type.
MTR-16-2U	16-slot unmanaged 19-inch rack-mount fiber optic transceiver rack (including main and backup power supplies).