

MWF201

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
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 anti-static
Physical Characteristics	
Shell	Aluminum housing
Dimension	90mm×30mm×70mm(MWF-201-K) (Bare board plug-in type, used with MR16) 110mm×26mm×72mm(MWF-201-G) (Shell: Din rail mounted) 78mm×25mm×85mm (Desktop DC power supply) 108mm×34mm×126mm(MWF-201-KG) (Metal din rail mounted) 100mm×36mm×105mm(MWF-201-A220) (Desktop AC power)
Transmission distance	
Serial port line	RS-232, 15m@9600bps RS-422/RS-485, 1.2km@9600bps
Multi-mode fiber	850nm/1310nm,2- 5Km
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
Certification	
Certification	CE, FCC

Ordering information

MWF201-M/S	RS232/485/422 three-in-one terminal interface fiber converter, multi-mode 2Km/ single mode 20Km, external DC5V or 9~30V, standard PWR5-5 (DC5V/1A) power adapter, aluminum alloy shell desktop installation.
MWF201-M/S-G	RS232/485/422 three-in-one terminal interface fiber converter, multi-mode 2Km/ single mode 20Km, external DC5~30V, standard PWRX5-5 (DC5V/1A) line power adapter, DB9 plastic shell din-rail mounted installation.
MWF201-M/S-KG	RS232/485/422 three-in-one terminal interface fiber converter, multi-mode 2Km/ single mode 20Km, external DC5~30V, standard PWRX5-5 (DC5V/1A) line power adapter, aluminum alloy shell din-rail installation.
MWF201-M/S-KG-AD220	RS232/485/422 three-in-one terminal interface fiber converter, multi-mode 2Km/ single mode 20Km, support built-in AC220V isolated power supply, aluminum alloy shell din-rail installation.
MWF201-M/S-K	RS232/485/422 three-in-one DB9M interface, multi-mode 2Km/ single mode 20Km, plug-in type.