

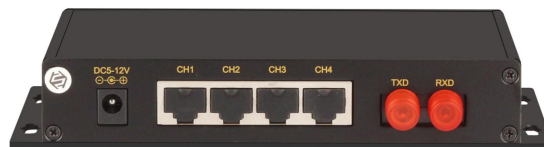
MWF204-F

4-port RS232/485/422

Fiber Multiplexed Optical Transceiver

Product description

MWF204 multi-channel data multiplexing optical transceiver can realize multi-channel RS-232/RS-485/422 transmission on one optical fiber, which not only saves fiber resources, but also uses optical fiber as transmission medium to isolate high voltage and prevent electromagnetic interference. , anti-lightning and other advantages, widely used in various industrial controls, so widely used in the field of industrial automation, especially suitable for power system automation, traffic control and other departments.



Features:

- RS232/RS422/RS485 conversion, full/half-duplex communication;
- Signal flow is automatically identified and transparently transmitted;
- Imported optical transceiver module to ensure the transmission distance;
- Unique serial protection circuit, hot-swappable;
- Industrial grade design and all surface mount processes ensure long-term reliability of the product.

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	TXD, RXD, TX1-TX4, RX1-RX4, ERR (MWF204)

Power

Power Supply	DC5~12V
Interface	BNC coaxial input
Power	<5W
Overload protection	Support
Lightning protection	600W/ms anti-lightning strike
Static protection	15kv anti-static

Physical Characteristics

Shell	Aluminum
Dimension	136mm×30mm×90mm

Transmission distance

Serial port line	RS-232, 15m@9600bps RS-422/RS-485, 1.2km@9600bps
Multi-mode fiber	1310nm, 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

MWF204-F(M/S)	4 RS232/RS485/422 multi-mode/single-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/1A power adapter, aluminum alloy shell desktop installation.
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