

MWF208-F

8-port RS232/485/422

Fiber Multiplexed Optical Transceiver

Product description

MWF208 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

Interface

Interface form Serial Port: Electrical characteristics, Meet RS-232/RS-422/RS-485
Physical characteristics, RJ45 port
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 TXD, RXD, TX1-TX8, RX1-RX8, ERR (MWF208)

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 housing
Dimension 225mm×30mm×96mm(MWF208)

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

MWF208-M-SC	8 RS232/RS485/422 multi-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/ 1A power adapter, SC connector, 2KM.
MWF208-M-ST	8 RS232/RS485/422 multi-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/ 1A power adapter, ST connector, 2KM.
MWF208-M-FC	8 RS232/RS485/422 multi-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/ 1A power adapter, FC connector, 2KM.
MWF208-S-SC	8 RS232/RS485/422 single-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/ 1A power adapter, SC connector, 20KM.
MWF208-S-ST	8 RS232/RS485/422 single-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/ 1A power adapter, ST connector, 20KM.
MWF208-S-FC	8 RS232/RS485/422 single-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/ 1A power adapter, FC connector, 20KM.