

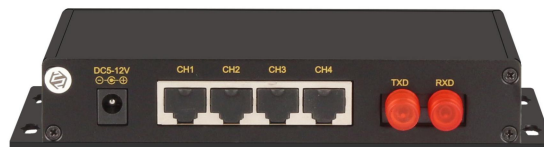
## MWF204-F

### 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

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

## Ordering information

MWF204-M-SC02	4 RS232/RS485/422 multi-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/1A power adapter, SC connector,2KM.
MWF204-M-ST02	4 RS232/RS485/422 multi-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/1A power adapter, ST connector,2KM.
MWF204-M-FC02	4 RS232/RS485/422 multi-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/1A power adapter, FC connector,2KM.
MWF204-S-SC20	4 RS232/RS485/422 single-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/1A power adapter, SC connector,20KM.
MWF204-S-ST20	4 RS232/RS485/422 single-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/1A power adapter, ST connector,20KM.
MWF204-S-FC20	4 RS232/RS485/422 single-mode fiber multiplexed optical transceiver, RJ45 interface type, external DC5~12V, standard DC5V/1A power adapter, FC connector,20KM