8 Channels Serial to Fiber multiplexer

MWF208-F

◆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 Description

MWF208 multi-channel data multiplexing optical transceiver can realize multi-channel RS-232/RS-485/RS-422 transmission on one fiber. It not only saves fiber resources, but also uses optical fiber as the transmission medium, which has the advantages of isolation of high voltage, anti-electromagnetic interference, and lightning strike resistance. Therefore, this product is widely used in various industrial control and industrial automation fields, especially for 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, 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 antistatic
Physical Characteristics	
Shell	Aluminum housing
Dimension	225mm×28mm×96mm (Length × height × width) (MWF208)
Weight	0.6kg (MWF208)
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℃~85℃
Storage temperature	-40℃~85℃
Ambient Humidity	5%~95%
Warranty	
Warranty	5 Years
Certification	
Certification	CE, FCC

Product Ordering Information

Ordering Information	
MWF208-F	8 ports RS232/RS485/RS422, 1 single/ multimode optical port, SC/ST/FC available, desktop installation