

MWF501-F

RS232/485/422 Serial to Fiber Ring Converter

Product description

MWF501-F single-channel dual-loop self-healing industrial optical transceiver is a low-cost serial data transmission communication device with dual-ring self-healing function that can adapt to industrial environments. It can form a chain network or a dual-loop fiber network to realize transparent transmission of one RS-232/RS-485/RS-422 on the fiber ring network without changing the user agreement.



Features:

- Support Dual ring network redundancy function
- PCM pulse code modulation technology combined with digital phase-locked loop clock extraction technology
- Serial protection circuit, hot-swappable
- Serial access node greater than 128
- Smart electrical interface, no dial setting
- Perfect status indication, LED light alarm, easy maintenance and troubleshooting

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
LED	
Power indicator	POW
Master slave indicator	MAIN, SUB
Data transmission indicator light	LOOPA/B, TXA/B, RXA/B, TXD, RX
Power	
Power supply	MWF501-S/M: DC9~30V
Interface	Industrial terminal block
Power	<2W (MWF501-S/M)
Overload protection	Support
Lightning protection	600W/ms anti-lightning strike
Static protection	15kv anti-static
Physical characteristics	
Shell	IP40 protection, aluminum housing
Dimension	110mm×27mm×100mm (MWF501-S/M)
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; 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

MWF501-M/S	<ol style="list-style-type: none">1.Multi-mode: 2Km/ Single-mode: 20Km;2.External supply DC9~30V;3.Standard PWRX5-12V (DC12V/5W) PSU, aluminum alloy case desktop installation.
------------	---