16 Channels Serial to Fiber multiplexer

MWF516-16F

◆Support RS-232/RS-485/422 interface;

◆Used with MWF101 or MWF201 to build a fiber star network;

◆RS422/RS485 line 600W/ms anti-lightning and 1500V anti-static protection;

◆RS232 serial port protection circuit, hot-swappable;

◆Integrated optical transceiver module, the node distance up to 20 kilometers;

◆Industrial grade design, all surface mount processes ensure the long-term reliability of the product.

Product Description

MWF516 type 16 Channels Serial to Fiber multiplexer is used to form a star-shaped fiber network to realize transparent transmission of RS-232/RS-485/RS-422 on a fiber-optic star network. Fully adaptive, no need to change user protocols. It solves the contradiction between communication distance and communication speed, node and dispersion. It also solves the problems of electromagnetic interference, ground loop interference and lightning damage, and greatly improves the reliability, security and confidentiality of data communication.

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,DB 9 port 　　　　　Industrial terminal block (RS-232/RS-485)
	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	TX, RX
Power	
Power supply	AC85 ~ 265V or DC110 ~ 380V
Interface	Three-pin socket
Power	<10W
Overload protection	Support
Lightning protection	600W/ms anti-lightning strike
Static protection	15kv antistatic
Physical Characteristics	
Shell	Aluminum housing
Dimension	483mm×44mm×210mm (Length × height × width)
Weight	3.2kg
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	
MWF516-16F	1 port RS232/RS485/RS422, 4/8/16 ports single/ multimode optical ports, SC/ST/FC available, rack mounting