

RS232 three-wire serial port fiber converter

MWF101



- ◆RS-232 is TX, RX, GND three-wire system;
- ◆Signal flow direction automatic identification, transparent transmission;
- ◆Imported optical transceiver module to ensure transmission distance;
- ◆Baud rate adaptation, no need to change user agreement;
- ◆Industrial grade design, all surface mount technology.

Product Description

MWF101 fiber converter: The main function is realizing photoelectric conversion of RS-232 signal. This MWF101 series of products supports a fiber optic interface and an RS-232 serial port, breaking the contradiction between the traditional RS-232 interface communication distance and communication speed. At the same time, it also solves the problems of electromagnetic interference, ground loop interference and lightning damage, greatly improving the reliability, security and confidentiality of data communication. It can be widely used in various industrial control, process control and traffic control applications, especially for banks, power industry and departments and systems that have special requirements for electromagnetic interference environments.

Technical Specification	
Technical parameters	
Standard	Compliant with EIA RS-232
Interface	
Interface form	Serial Port: Electrical characteristics, Meet RS232 Physical characteristics, DB 9 Optical interface: Single multi-mode optional, SC/ST/FC optional
Communication rate	
Baud Rate	300bps~115.2Kbps, rate adaptive signal
LEDs	
Power indicator	POW: Always lit when the power is connected normally
Data transmission indicator light	MWF232: ≲, ≳
	MWF101/101T:TX, RX
Power	
Power Supply	External supply DC5~30V (MWF101)
Interface	BNC coaxial input (MWF101)
Power	<1W
Overload protection	Support
Lightning protection	600W/ms anti-lightning strike
Static protection	15kv antistatic
Physical Characteristics	
Shell	Cast aluminum
Dimension	78mm×85mm×25mm
Weight	0.1kg
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	

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Operating Temperature	-20°C~70°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95%
Warranty	
Warranty	5 Years
Certification	
Certification	CE, FCC

Product Ordering Information

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MWF101-F	Three-wire, 1 port RS232, 1 single/Multimode optical port, SC/ST/FC available, Wall mounting
MWF101T-F	Full signal, 1 port RS232, 1 single /Multimode optical port, SC/ST/FC available, Wall mounting