

MWE485-TD

RS232 to RS485/RS422 Isolated Serial Converter

Product description

The MWE485-TD is high speed opto-isolation. It can converter a RS232 serial port signal to two wires high speed half duplex RS485 or a four wires full duplex RS422 signal, with 2500V photoelectricity isolation. RS-232/485/422 interface converter: The main function is to realize the bidirectional mutual conversion between RS-232 signal and RS-422/485 signal.



Features:

- -RS-485 two-wire half-duplex communication, RS-422 four-wire full duplex;
- -With integrated industrial terminal block, standard DB9 port serial port;
- -Unique serial port protection circuit, can be hot plugged;
- -Built-in intelligent module to automatically identify RS-485 signal flow without CTS flow control;
- -Signal line 600W/ms anti-lightning protection and 15KV anti-static protection;
- -Transparent transmission, baud rate adaptive, no need to change user agreement;
- -Industrial grade design, preferably imported components, all surface mount technology.



Product specifications

Technical parameters				
Standard	Compliant with EIA RS-232, RS-485, RS-422 standards			
	Compliant with EIA RG-232, RG-465, RG-422 standards			
Interface	D0 000 DD0 : 4 /			
Interface form	RS-232: DB9 interface RS-485/RS-422: Industrial terminal block			
Communication rate				
Baud Rate	300bps~115.2kbps			
LEDs				
Power indicator	POW(Red): Always lit when the power is connected normally			
Serial port transceiver				
indicator light	≈(Yellow): Flashes when data is being sent or received			
Power				
Power Supply	Serial Port Powered, external supply DC5V, external supply DC 9~30V			
Interface	DB9 interface, industrial terminal block			
Physical Characteristics				
Shell	DIN rail shell			
Dimension	117mm×34mm×72mm			
Weight	0.1kg			
Transmission distance				
Serial port line	RS-232, 15m@9600bps RS-422/RS-485, 1.2km@9600bps			
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, RoHS			

Application

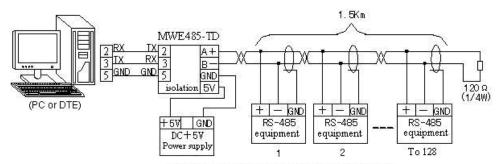


Chart 1: Master-Slave and half duplex communication

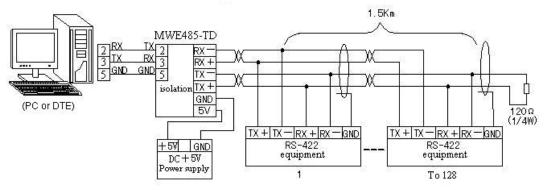


Chart 2: Master-Slave and half duplex communication

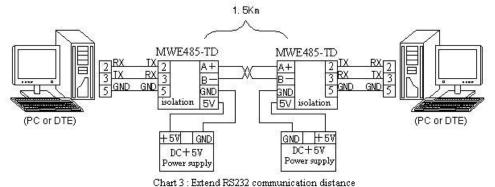


Chart 3: Extend RS232 communication distance

Ordering information

Order Info	Data Interface	Transmission rate	Isolation protection	Power supply
MWE485-TD	RS232 to RS422/RS485	300bps ~ 115.2Kbps	Isolated	External DC5V or DC9~30V power supply