

## MWE485-YG

### RS422/RS485 Isolated Repeater

#### Product description

The MWE485-YG can convert the RS-485/RS-422 signal in high rate and with a optical isolation , and extend the RS-485/422 distance. RS-485/RS422 Isolated Repeater provides optical isolation protection for data communication between two serial devices, which can effectively avoid damage caused by lightning strikes, surges and other factors. At the same time, it can effectively extend the serial communication distance by relay amplification. With industrial-grade design, it can be stably and reliably applied in various harsh industrial environments to effectively protect the serial port of the device.



#### Features:

- Smart design, RS-485/422 wiring conversion without jumpers;
- Extend communication distance is 1.5Km (9.6Kbps);
- Support 128-node polling network structure;
- Automatic identification of signal flow, zero delay automatic forwarding;
- 2500V isolated between two sides and power supply;
- 600W/ms lightning protection, 15KV static protection;
- Transparent transmission, Baud Rate self-adaption.

## Product specifications

Technical parameters	
Standard	Compliant with EIA RS-485, RS-422 standards
Interface	
Interface form	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	≡(Green): Flashes when data is being sent or received ≡(Yellow): Flashes when data is being sent or received
Power	
Power Supply	external supply DC5V, external supply DC 9~30V
Interface	DB9 interface, industrial terminal block
Physical Characteristics	
Shell	DIN rail shell (MWE485-YG)
Dimension	126mm×34mm×72mm(Length × height × width)
Weight	0.08kg
Transmission distance	
Serial port line	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

## Ordering information

Item No.	Data Interface	Transmission rate	Isolation protection	Power supply
MWE485-Y G	RS-485/422 to RS-485/422	300bps~115.2Kbps	Isolated	External supply DC5V or external supply DC 9~30V