

MWE485-YGS

RS485 Signal Isolation Repeater



- Support RS485 serial port signal isolation and amplification, extending transmission distance
- Support 300bps~38400bps baud rate
- Support automatic identification of RS485 data flow direction and zero-delay automatic forwarding
- Support 15kV electrostatic protection and 600W/ms lightning protection
- Support 2.5kV photoelectric isolation
- Support 128-node multi-terminal communication
- Support DC5V power input
- Support wide working temperature of -40°C~+85°C



Product Description

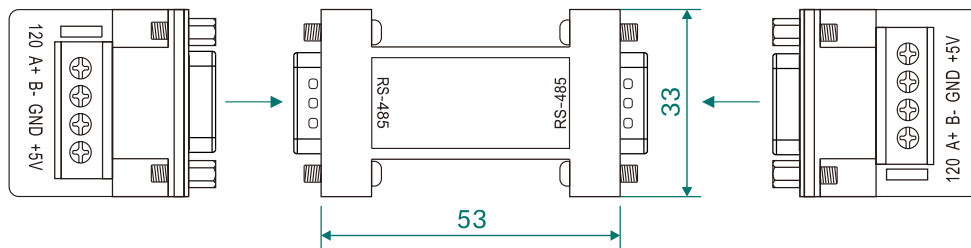
MWE485-YGS signal isolation repeater can amplify the RS485 serial port signal, extend the transmission distance of the serial port and the number of network terminals. The longest relay distance can reach 1.2km. The serial port complies with the EIA/TIA RS485 standard and can provide up to 2500Vrms. Isolation protection, anti-static and lightning protection can improve the reliability and stability of the communication system. It supports point-to-multipoint and can connect up to 128 RS485 terminal devices. It uses I/O circuits to automatically control the direction of data flow, eliminating the need for handshake signal jumper settings and ensuring compliance with existing communication software and interface hardware. The hardware adopts low power consumption and wide temperature design, and has good high and low temperature resistance. It can operate stably in a temperature environment of -40°C~+85°C. It can be widely used in motors, transformers, relays and other equipment or may be damaged during lightning. Scenarios that produce very high amplitude transient interference.

☑☑☑ Specification

Specification	
Serial Port	RS485 with DB9M/4-pin terminal block, terminal matching resistance can be set through jumper cap
Baudrate	300bps-38400bps
Communication Distance	The relay distance is more than 1.2km (19.2kbps)
Input Voltage	DC5V
Working Current	< 15mA
Dimensions	107×33×17mm(Including terminal blocks)
Weight	38g(Including terminal blocks)
Operating Temp	-40℃~+85℃
Optical isolation	2.5kV
Electrostatic Protection	15kV
Lightning Protection	600W/ms
Certification	CE, FCC, RoHS

☑☑☑ Dimensions

Unit:mm



Ordering Information

Standard Model	Conversion Mode	Transmission Rate	Relay Distance	Isolation Protection	Power Supply
MWE485-YGS	RS485 to RS485	300bps~38400bps	1.2km	Included	DC5V



Contact Us

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