

Prostal

Model POT-PLC302C-RS4

Power Line Ethernet Extender

Product Datasheet



CE FC RoHS  

www.prostal.com.tw

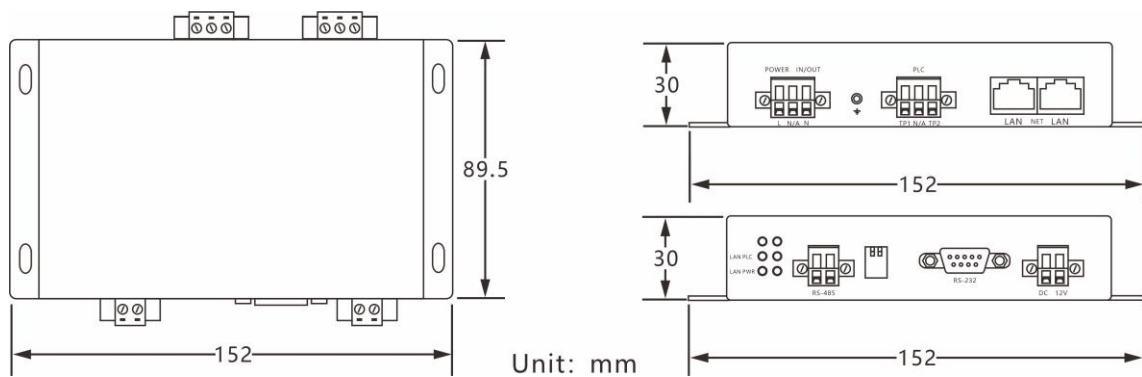
POT-PLC302C-RS4 is a high-speed power line Ethernet extender that can transmit power, Ethernet, and RS485 data signals over a 2-wire power line, with a transmission distance of up to 600m.

This device includes both the transmitter and receiver units and features a built-in noise reduction isolation transformer and isolation frequency crosstalk functionality. It transmits multiple signals over a single 2-wire cable, making it suitable for various medium- and short-distance Ethernet signal transmission applications.

Features

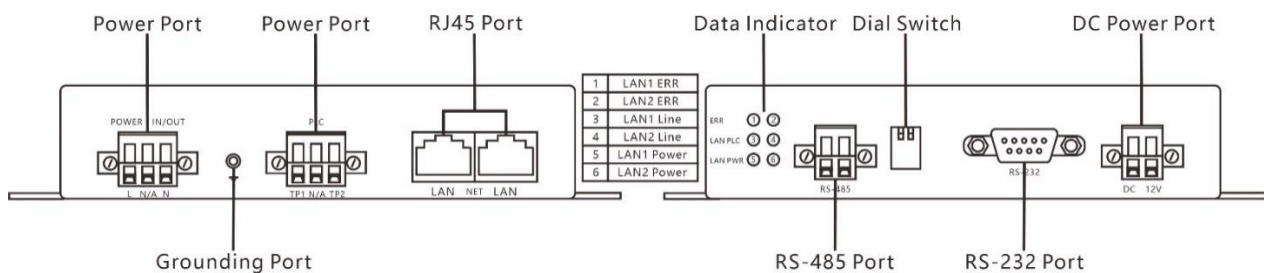
- ◆ Max transmission distance can reach 600m
- ◆ Support RS485 data transmission
- ◆ Built-in ESD protection circuit to effectively prevent electrostatic damage
- ◆ Support simultaneous transmission of multiple signals over a single power cable, built-in isolation filter circuit

Dimension



Note: Dimension error value ± 1 mm

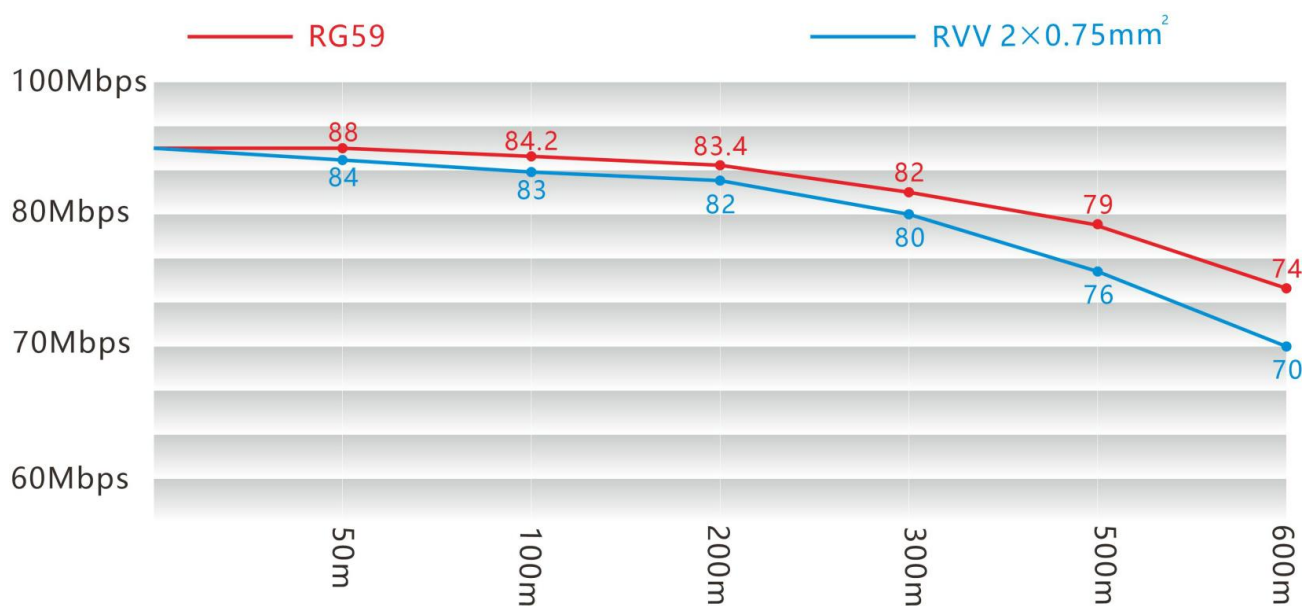
Interface Description



Technical Parameter

Category		Description
Power	Available Voltage Range	100~240VAC
	Power Consumption	≤5W / PC
	Power Output Transmitter Unit	100~240VAC
	220V Output Current	<10A
	12V Output Current	<1A
Transmission / Rate	Standard Compliance	IEEE1901, IEEE802.3
	RS232 Port Rate	Dial the switch to adjust, support 38400, 56000, 57600, 115200
	Up Down Agreement	CSMA/CA
	Network Rate	Full duplex 100Mbps
Physical Characteristic	Dimensions (LxW x H)	89.5x152x30mm
	Material	Aluminum
	Net Weight	480g / PC
Operating Environment	Working Temperature	-20℃~60℃
	Working Humidity	<95% (Non-condensation)

Bandwidth & Distance Chart



Installation Diagram

