RS 232 to RS 485 / RS 422 Converter

SPARR ELECTRONICS LIMITED

- **The CONV-485M4 converts the RS 232 Serial Port signals to RS 485 signals for long distance driving / interfacing devices supporting RS485 ports. Similarly, CONV-422M4 converts RS 232 Serial Port signals to RS 422 signals.**
- **CONV-485M4 & CONV-422M4 are available as external standalone units enclosed in plastic casing, which takes power from the supplied power adaptor.**
- **The Converter is populated with Surface Mount components for increased reliability & portability. Additionally, it offers consistent Isolation to Data signals while also protecting the Serial Port from high voltage.**

Features & Specifications

Interface	
Serial	RS232, RS485 or RS422
Connectors	9 Pin D - Type Female for RS232
	3 way screw terminal for RS485, 5 way screw connector for RS422 & 2 way plug in screw terminal for power
Cable Length	15 metres Maximum on RS232, 1200meters Maximum on RS485 or RS422
Number of drivers	32 on RS485 bus
Signal Isolation	5000 VAC RMS. Optical Isolation to signals
Power Isolation	1500 VDC
Baud Rate	300 to 115200 baud
Indicators (LED)	
Yellow	Transmit Data (TxD). Lights up when there is a data sent to RS232
Green	Receive Data (RxD). Lights up when there is a data received from RS232
Red	Power ON
Power	
Voltage	11-13 VDC . 12V 1A External Adaptor Provided.
Current	50ma maximum
Environmental	
Operating	0 °C to 70 °C
Storage	-40 °C to 85 °C
Packaging	
Dimensions	(LxWxH) 75mm(L) x 45mm(W) x 25mm(H)
Weight	50g
Warranty	12 Months

Sparr Electronics Limited

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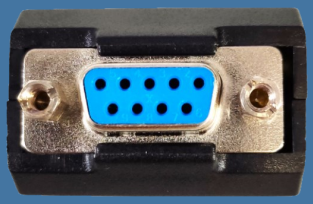
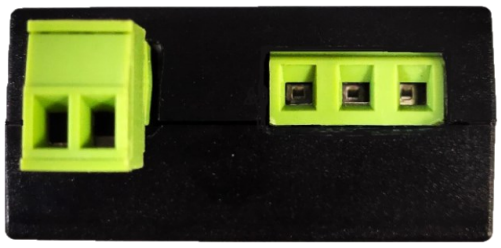
DB9 Connector



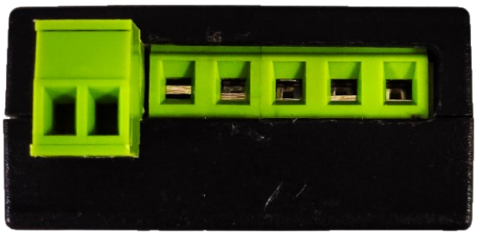
Applications

Computer & Automation Systems
Control Lighting and other Systems
Control pan tilt zoom cameras
Building Automation
Connecting Cameras, scales, meters and scanners

485 Connector



422 Connector



Part Number	Model	Description
1067001162	CONV-485M3 board	RS232 to RS485 converter Board
1067001270	CONV-485M4	RS232 to RS845 Enclosed
1067001378	CONV-422M4	RS232 to RS422 Enclosed

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