Item no. 12.02.1005

ROLINE RS232-RS422/485 Converter, DIN Rail



Features:

- Converts RS-422 or RS-485 devices to a RS-232 port of a computer, with galvanic isolation
- Fully compliant with serial COM ports
- Isolation 3000 VDC (optical)
- Connectors: RS-232: DB9 Female, RS-422/485: 7-pin terminal block
- Auto toggling by hardware
- Data transfer rate of up to 115.2 Kbit/s
- Terminal resistance and Echo mode
- DIP switches for terminal settings to 120 ohm resistors
- Signals: TXD, RXD, RTS, CTS, GND for RS-232
- Protection: 15 KV ESD protection for all signals,
  RS-422/485 signals surge protection
- Status LEDs (Power, TXD, RXD)
- For DIN rail mounting
- Hardware solution, no software required
- DC power supply 10~30 V (built-in surge protector)

Serial Converter

Mode	Asynchronous serial communication
Speed	Up to 115. 2kbps
Connector	RS232 : DB9 Female ,RS422/485 : Terminal Block 7P 5.08mm
Signals	TXD, RXD, RTS, CTS, GND for RS232
Protection	15KV ESD Protection for all signals RS422/485 signals Surge Protection
Distance	Max 1.2Km 115.2Kbps,24AWG twisted pair cable
Data Bits	5,6,7,8
Stop Bits	1,1.5,2
Parity	None, Even, Odd, Space, Mark
RS422 mode	Point to Point, Multi Drop
RS485 mode	Echo, Non-Echo
RTS	Auto Toggling
Switch	RS422 Term. Resistor setting
	RS485 Term. Resistor setting

RS-232 DB9 Female

Pin	RS-323
1	DCD
2	TXD
3	RXD
4	DSR
5	GND
6	DTR
7	CTS
8	RTS
9	RI

Define - Terminal Block PIN

	RS422	RS422Multi-Drop/RS485 4W	RS485
1	TX+	TX+	
2	TX-	TX+	
3	RX+	RX+	DATA+
4	RX-	RX-	DATA-
5	SG	SG	SG
6	VCC	VCC	VCC
7	GND	GND	GND

Define - DIP Switch

DIP SW SET	1	2	3	4	
0=OFF,1=ON	0	0	0	x	RS422
	0	0	1	x	RS422
	1	0	1	x	RS485 4W, RS422 Multi Drop
	0	1	0	x	RS485 2W NO ECHO
	0	1	1	x	RS485 2W ECHO
	x	x	x	1	RS422/485 Term. Resistor ON