

Item no. 12.02.1004

ROLINE USB 2.0-RS422/485 Adapter, DIN Rail



Features:

- Converter to connect serial devices to a USB port on a computer
- Mode: Asynchronous serial communication
- Compatible with USB 2.0, USB 1.1, USB 1.0
- Isolation 3000 VDC (optical)
- Connectors: 5-pin terminal block, 1x Mini USB type B
- 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: TX+, TX-, RX+, RX-, SGND
- Protection: 15KV ESD protection for all signals, RS 422/485 signals surge protection
- Status LEDs (TXD, RXD)
- For DIN rail mounting
- Power supply over Mini USB type B connector (54 mA)
- Supported Operating Systems: Windows 98SE/ME/2000/ XP/Vista/Server 2003/Server 2008/Windows 7

Serial Converter

| | |
|--------------|---|
| Mode | Asynchronous serial communication |
| Speed | Up to 115.2 kbps |
| Connector | Terminal Block 5P 5.08mm |
| Signals | TX+,TX-,RX+,RX-,SGND |
| Protection | 15KV ESD Protection for all signals RS422/485 signals Surge Protection |
| Data Bits | 7,8 |
| Stop Bits | 1,2 |
| Flow Control | RTS/CTS,XON/XOFF |
| Parity | None,Even,Odd,Space,Mark |
| IRQ | Assigned by BIOS |
| FIFO | TX Buffer 128 bytes, RX Buffer 256 bytes |
| Switch | RS422 Term.Resistor setting |
| | RS485 Term.Resistor setting |
| | RS485 Echo/non-Echo selection |
| | RS422/485 selection |

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 |

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 |