

2 Port PCI RS422/485 Serial Adapter Card with 161050 UART

StarTech ID: PCI2S4851050



The PCI2S4851050 2-Port PCI Serial Adapter Card (RS422/RS485) with 161050 UART adds two DB9 RS422/RS485 serial ports, using a single PCI expansion slot.

The PCI serial card offers a high performance 16C1050 UART and supports both 2-wire and 4-wire RS485 modes. The card delivers an efficient single-chip design and a large 256-byte transmit/receive FIFO buffer that work together to provide high-speed serial communication while reducing the overall load on the system CPU.

With the included standard and low profile/half-height brackets, this PCI serial expansion card suits a broad range of system form factors, and is a perfect addition for connecting RS422/485 serial devices to a host computer. For added versatility, the RS422/RS485 adapter is able to accommodate 3.3 or 5V PCI/PCI-X slots.

Backed by a StarTech.com lifetime warranty and free lifetime technical support.

Applications

- Add RS422 and RS485 (2 or 4-wire) support to a Desktop, Server or Embedded system
- For use in industrial environments with serial networking devices, high speed modems, monitoring equipment, long distance communication devices and printers
- Ideal for commercial and industrial applications such as POS networks, ATMs, bank teller stations, and CNC based production lines
- Works for industrial process control and factory automation applications

Features

- Supports maximum data transmission rate of 128Kbps
- 16C1050 UART with 256-byte Deep FIFO
- Supports 2-wire and 4-wire RS485 modes
- Jumper pins for RS422/485 toggling
- Supports Hardware and Software flow control
- Supports PCI Power Management 1.1
- Compliant with PCI Local Bus Specification 2.3

Technical Specifications

| | |
|---------------------------|---|
| Warranty | Lifetime |
| Ports | 2 |
| Interface | Serial |
| Bus Type | PCI / PCI-X (5 / 3.3V) |
| Card Type | Standard Profile (LP bracket incl.) |
| Port Style | Integrated on Card |
| Industry Standards | PCI Local Bus Specification 2.3 PCI Power Management 1.1 |
| Chipset ID | SystemBase -SB16C1052PCI |
| Connector Type(s) | 1 - PCI / PCI-X (Universal 3.3 & 5V; 32-bit) Male |
| External Ports | 2 - DB-9 (9 pin; D-Sub) Male |
| Serial Protocol | RS-422/485 |
| Max Baud Rate | 128 Kbps |
| Data Bits | 5, 6, 7, 8 |
| FIFO | 256 Bytes |
| Flow Control | Xon, Xoff, RTS#, CTS# |
| Parity | Even, Odd, or No Parity |
| Stop Bits | 1, 1.5, 2 |
| OS Compatibility | Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64) Windows Server® 2012, 2008 R2, 2003, 2000 (32/64) Linux 2.4.x / 2.6.x |
| Product Length | 4.7 in [120 mm] |
| Product Width | 0.6 in [15 mm] |
| Product Height | 1.8 in [45 mm] |
| Product Weight | 2 oz [58 g] |
| Operating Temperature | -10°C to 80°C (14°F to 176°F) |
| Storage Temperature | -20°C to 100°C (-4°F to 212°F) |
| Humidity | 5~85% RH |
| Shipping (Package) Weight | 0.3 lb [0.2 kg] |
| Included in Package | 1 - 2 port PCI RS422/485 card |
| Included in Package | 2 - Low profile (half-height) brackets |
| Included in Package | 1 - Driver CD |
| Included in Package | 1 - User Manual |

Certifications, Reports and Compatibility

