

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

