1S1P Native PCI Express Parallel Serial Combo Card with 16950 UART

Product ID: PEX1S1P952

The PEX1S1P952 1S1P Native PCI Express Parallel/Serial Combo Card with 16950 UART turns a PCI Express slot into 1 RS232 (DB9) serial, and 1 parallel port.

The combo card features a native PCI Express single chip design that allows you to take advantage of full PCI Express capability, providing improved speed and reliability while reducing the load applied to the CPU by as much as 48% over conventional serial cards that use a bridge chip design.

This 1-Port Serial/1-Port Parallel card offers compatibility with a broad range of operating systems including Windows® (32/64-bit) and Linux, for easy integration into mixed environments. The card also features an optional low profile/half-height bracket that enables you to install the card in virtually any computer case, regardless of form factor.

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

- POS retail applications in grocery stores, and any other retail store to control keyboards, cash drawers, receipt printers, card readers / card swipes, scales, and elevated displays on poles
- Bank teller workstations in either full profile or low profile versions to control their serial devices such as cash drawers, card readers / card swipes, printers, keypads / pinpads, pen pads
- Self-service automated machines and kiosks to control serial devices such as scales, touchscreens, magnetic card readers, bar code scanners, receipt printers, label printers
- Standard ATM automated teller machines to control keypads, receipt printer, card readers / card swipes, touchscreen LCDs, camera control, etc.
- Used to control multiple surveillance / security cameras in a parking structure, office building, etc.

Features

- 1 high-speed RS232 serial port and 1 IEEE 1284 parallel port
- Native single chip, single lane PCI Express
- 128-byte deep FIFO per transmitter and receiver
- Selectable power output on pin 9 of the serial port
- Automated in-band flow control using programmable Xon/Xoff
- Supports x1,x2,x4,x8,x16(lane)PCI-Express connectors
- Compliant with PCI Express base specifications revision 1.1
## Hardware
- **Warranty**: Lifetime
- **Bus Type**: PCI Express
- **Card Type**: Standard Profile (LP bracket incl.)
- **Chipset ID**: PLX/Oxford - OXPCIe952
- **Industry Standards**:
  - PCI Express base spec 1.1
  - PCI Power Management 1.2
  - IEEE 1284-compliant SPP/EPP/ECP
- **Interface**:
  - Parallel
  - Serial
- **Port Style**: Integrated on Card
- **Ports**: 2

## Performance
- **Data Bits**: 5, 6, 7, 8, 9
- **FIFO**: 128 Bytes
- **Flow Control**: Automated in-Band, Xon/Xoff
- **Maximum Data Transfer Rate**:
  - 1.5Mbps - Parallel
  - 115.2Kbps - Serial
- **MTBF**: 87,600 Hours
- **Parity**: Even, Odd, Mark, Space, None
- **Serial Protocol**: RS-232
- **Stop Bits**: 1, 1.5, 2

## Connector(s)
- **Connector Type(s)**: 1 - PCI Express x1 Male
- **External Ports**:
  - 1 - DB-25 (25 pin, D-Sub) Female
  - 1 - DB-9 (9 pin, D-Sub) Male

## Software
- **Microsoft WHQL Certified**: Yes
- **OS Compatibility**: Windows® CE 6.0 / 5.0, 95, 98SE, 2000, XP, XP Embedded, Vista, 7, 8, 8.1, 10
  - Linux 2.4.x to 4.11.x LTS Versions only

## Special Notes / Requirements
- **Note**: Selectable power output on pin 9 of the serial port

## Power
- **Power Consumption (In Watts)**: 0.2W

## Environmental
- **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)
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<th>Physical Characteristics</th>
<th>Product Height</th>
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<td>2 - Low Profile Brackets</td>
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Product appearance and specifications are subject to change without notice.