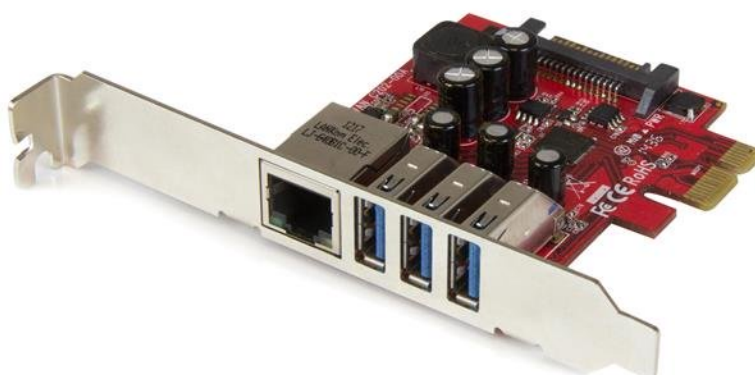# 3-Port PCI Express USB 3.0 Card + Gigabit Ethernet

Product ID: PEXUSB3S3GE



This PCIe USB 3.0 card couples your peripheral and network connections into a single, scalable solution.

By combining three USB 3.0 ports and one RJ45 port onto a single card, you only need a single PCIe slot for installation, which lets you free up space for other add-ons or upgrades and get more out of your desktop or server.

## Combo-card convenience and cost-savings

If you have separate cards for your USB and network connections, this versatile card overcomes the aggravation of running out of PCIe slots while helping to reduce clutter inside your PC.

This dual-purpose card is perfect for building or upgrading your computer. It helps you save money by avoiding the additional costs of purchasing separate USB 3.0 and Gigabit Ethernet adapters.

## Flexible install options and legacy device support

You can rest assured this card will fit in your small form-factor system, if needed. It features a dual-profile design that makes it easy to install in either standard or low-profile cases.

The combo card makes it easy to connect peripherals such as your external hard drives or mobile devices. Plus, it's backward compatible with USB 2.0 and 1.x, so you won't have to replace all of your existing USB devices.

## Gigabit connectivity and network management

Functioning as a network adapter, the card delivers wired network access in locations where Wi-Fi® is unavailable or unreliable.

Support for advanced features such as jumbo frames and VLAN tagging means you can optimize network traffic as needed.

## Effective USB 3.0 performance enhanced by UASP

This high-performance SuperSpeed USB 3.0 adapter card supports data transfer rates up to 5 Gbps and is enhanced with UASP support, which can perform ~70% faster read speed and 40% faster write speed over traditional USB 3.0, when paired with a UASP-enabled enclosure.

The PEXUSB3S3GE is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

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## Applications

- Connect tablets, smartphones, external hard drives, printers, and other USB-based devices to your computer
- Add scalable connection options when building or upgrading your computer
- Upgrade or replace your onboard USB 3.0 or RJ45 ports

## Features

- Frees up a PCIe slot by consolidating 3x USB 3.0 & 1x Gigabit Ethernet ports into a single card
- Provides installation flexability for standard and low-profile computers, with a dual-profile design
- Lets you save money and connect your existing devices with USB 2.0 and 1.x backward compatibility
- Perfect for high-powered USB devices, with optional SATA power providing up to 900mA per port
- PCIe x1 interface, compliant with PCI Express 2.0 specifications
- Supports Wake-On-LAN, Energy-Efficient Ethernet, jumbo frames, full duplex flow control, VLAN tagging, and layer 2 priority encoding

|  |  |  |
|---|---|---|
| **Hardware** | Warranty | 2 Years |
|  | Bus Type | PCI Express |
|  | Card Type | Standard Profile (LP bracket incl.) |
|  | Chipset ID | Renesas/NEC - µPD720201<br>Realtek - RTL8153 |
|  | Industry Standards | USB 3.0 Specification Rev. 1.0<br>PCI Express Base Specification Rev. 2.0<br>Intel xHCI Specification Rev. 1.0 |
|  |  | IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T |
|  |  | IEEE 802.3az Energy-Efficient Ethernet, IEEE 802.3x Flow Control, 802.1q VLAN Tagging, 802.1p Layer 2 Priority Encoding |
|  | Interface | USB 3.0 |
|  |  | RJ45 (Gigabit Ethernet) |
|  | Port Style | Integrated on Card |
|  | Ports | 3 |
| **Performance** | Auto MDIX | Yes |
|  | Compatible Networks | 10/100/1000 Mbps |
|  | Flow Control | Full duplex flow control |
|  | Full Duplex Support | Yes |
|  | Jumbo Frame Support | 9K max. |
|  | Maximum Data Transfer Rate | 5 Gbps (USB 3.0)<br>2 Gbps (Ethernet; Full-Duplex) |
|  | MTBF | 1,920,042 Hours |
|  | Type and Rate | USB 3.0 - 5 Gbit/s |
|  | UASP Support | Yes |
| **Connector(s)** | Connector Type(s) | 1 - PCI Express x1 Male |
|  | External Ports | 3 - USB Type-A (9 pin) USB 3.0 Female |
|  |  | 1 - RJ-45 Female |
|  | Internal Ports | 1 - SATA Power (15 pin) Plug |
| **Software** | OS Compatibility | Windows® XP, Vista, 7, 8, 8.1, 10<br>Windows Server® 2008 R2, 2012, 2016, 2019<br>Linux 2.6.31 to 4.11.x *LTS Versions only* |

| | | |
|---|---|---|
| **Special Notes / Requirements** | **Note** | The maximum throughput of this card is limited by the bus interface. If used with PCI Express Gen 1.0 enabled computers, the max throughput is 2.5 Gbps. If used with PCI Express Gen 2.0 enabled computers, the max throughput is 5 Gbps. |
| | | UASP (USB Attached SCSI Protocol), is supported in Windows 8, 8.1, Server 2012 and Linux kernel 2.6.37 or later. Test results were obtained using an Intel® Ivy Bridge system, StarTech.com add-on USB 3.0 cards, a UASP-enabled StarTech.com enclosure, and a SATA III solid-state drive. |
| | System and Cable Requirements | PCI Express enabled computer with an available PCI Express x1 slot or higher (x4, x8, x16) |
| | | SATA power connector (recommended, but optional) |
| **Indicators** | LED Indicators | 1 - Link (Green) |
| | | 1 - Activity (Amber) |
| **Environmental** | Humidity | 20~80% RH |
| | Operating Temperature | 5°C to 50°C (41°F to 122°F) |
| | Storage Temperature | -25°C to 70°C (-13°F to 158°F) |
| **Physical Characteristics** | Product Height | 4.7 in [12 cm] |
| | Product Length | 3 in [77 mm] |
| | Product Width | 0.7 in [18 mm] |
| | Weight of Product | 2.1 oz [60 g] |
| **Packaging Information** | Package Height | 1.3 in [33 mm] |
| | Package Length | 6.9 in [17.6 cm] |
| | Package Width | 5.7 in [14.4 cm] |
| | Shipping (Package) Weight | 5.3 oz [150 g] |
| **What's in the Box** | Included in Package | 1 - 3 Port PCI Express USB 3.0 Card w/ Gigabit Ethernet |
| | | 1 - Low-Profile Bracket |
| | | 1 - Driver CD |
| | | 1 - Instruction Manual |
| | Auto-Negotiation | Yes |

Product appearance and specifications are subject to change without notice.