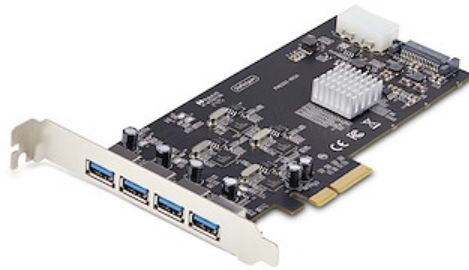


4-Port USB PCIe Card, USB 3.2 5Gbps, PCI Express Expansion Card with 4x Independent USB Controllers, 4x USB-A Ports, Windows/Linux

**Product ID:** P5Q4A-USB-CARD



Upgrade or expand the USB connectivity of a desktop computer or server by adding four independent USB Type-A 5Gbps ports over a single PCI Express 2.0 x4 connection.

When multiple devices are connected, traditional single-bus USB 3.2 Gen 1 cards share the maximum bandwidth across all ports. By employing four host controller chipsets, each port operates on its own independent channel, providing up to 5Gbps to each USB port, reducing performance bottlenecks and effectively quadrupling the total available bandwidth to 20Gbps.

This USB PCIe expansion card can receive supplemental power through SATA or LP4 connectors. It supports the Battery Charging 1.2 (5V 1.5A) specification and provides up to 5V 2A (10W) on the USB Type-A ports when the bus power from the motherboard is insufficient.

The PCI Express USB card drivers auto-install in most major operating systems, including Windows 8 and later, and Linux. The expansion card supports hardware platforms such as Intel and AMD, and fits in PCI Express x4, x8, and x16 slots. Horizontal USB ports enhance compatibility with different computer cases, reduce the risk of port clearance issues, and accommodate a wider range of USB devices and cables.

## Certifications, Reports and Compatibility



## Applications

- Upgrade a PCIe-equipped desktop to USB 5Gbps with 4x USB-A ports
- Ideal for simultaneously transferring large files or editing photos/videos on external storage devices

## Features

- **HIGH-PERFORMANCE USB CARD:** Upgrade or expand a desktop or server's USB connectivity by adding four USB Type-A ports, each with a dedicated controller capable of up to 5Gbps, via a single PCI Express 2.0 x4 connection
- **4X INDEPENDENT USB CONTROLLERS:** Dedicated USB controllers per port enhance data throughput and ensure each device has up to 5Gbps bandwidth available; Ideal for simultaneously transferring large files or editing photos/videos on external storage devices
- **HORIZONTAL USB PORTS:** Enhance compatibility with different computer cases, reducing the risk of port clearance issues, and accommodating a wider range USB devices and cables
- **HIGH POWER:** USB PCIe Expansion Card with SATA/LP4 power connectors provides additional power to the USB ports (when motherboard power is insufficient), supporting the Battery Charging 1.2 (5V 1.5A) specification & providing up to 5V 2A (10W) per port
- **COMPATIBILITY:** Drivers auto-install in most major operating systems including Windows 8 & up, and Linux; Works with all hardware platforms, including Intel and AMD, that have a PCI Express 2.0 (or higher) x4, x8, or x16 slot

### Hardware

|                    |                                   |
|--------------------|-----------------------------------|
| Warranty           | 2 Years                           |
| Ports              | 4                                 |
| Interface          | PCI Express                       |
| Bus Type           | PCI Express                       |
| Card Type          | Standard Profile                  |
| Port Style         | Integrated on Card                |
| Industry Standards | PCI Express 2.0                   |
| Chipset ID         | Renesas - UPD720202 x4            |
|                    | Diodes Incorporated - PI7C9X2G608 |

### Performance

|                        |                             |
|------------------------|-----------------------------|
| Total USB Power Output | USB-A Power Output: 10W Max |
| Maximum Data Transfer  | 5Gbps                       |

|                                 |                       |                                                                                                                                 |
|---------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
|                                 | Rate                  |                                                                                                                                 |
|                                 | Type and Rate         | USB 5Gbps                                                                                                                       |
|                                 | UASP Support          | Yes                                                                                                                             |
| <hr/>                           |                       |                                                                                                                                 |
| <b>Connector(s)</b>             |                       |                                                                                                                                 |
|                                 | Internal Ports        | 1 - SATA Power (15 pin)<br>1 - 4 pin Power (LP4) Male                                                                           |
|                                 | External Ports        | 4 - USB 3.2 Type-A (9 pin, Gen 1, 5Gbps)                                                                                        |
|                                 | Host Connectors       | 1 - PCI Express x4                                                                                                              |
| <hr/>                           |                       |                                                                                                                                 |
| <b>Software</b>                 |                       |                                                                                                                                 |
|                                 | OS Compatibility      | Windows 7, 8, 8.1, 10, 11<br>Windows Server 2008 R2, 2012 R2, 2016, 2019, 2022, 2025<br>Linux 2.6.31 and up - LTS Versions only |
| <hr/>                           |                       |                                                                                                                                 |
| <b>Power</b>                    |                       |                                                                                                                                 |
|                                 | Power Source          | Bus Powered                                                                                                                     |
| <hr/>                           |                       |                                                                                                                                 |
| <b>Environmental</b>            |                       |                                                                                                                                 |
|                                 | Operating Temperature | 0C to 50C (32F to 122F)                                                                                                         |
|                                 | Storage Temperature   | -10C to 70C (14F to 158F)                                                                                                       |
|                                 | Humidity              | 5% ~ 90% RH (non-condensing)                                                                                                    |
| <hr/>                           |                       |                                                                                                                                 |
| <b>Physical Characteristics</b> |                       |                                                                                                                                 |
|                                 | Color                 | Black                                                                                                                           |
|                                 | Product Length        | 6.6 in [16.9 cm]                                                                                                                |
|                                 | Product Width         | 4.7 in [12.0 cm]                                                                                                                |
|                                 | Product Height        | 0.7 in [1.9 cm]                                                                                                                 |
|                                 | Weight of Product     | 3.5 oz [100.0 g]                                                                                                                |
| <hr/>                           |                       |                                                                                                                                 |
| <b>Packaging Information</b>    |                       |                                                                                                                                 |
|                                 | Package Length        | 8.1 in [20.7 cm]                                                                                                                |

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