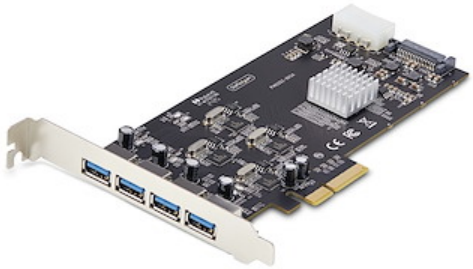
4-Port USB PCIe Card, USB 3.2 5Gbps, PCI Express Expansion Card with 4x Independent USB Controllers, 4x USB-A Ports, Windows/macOS/Linux

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, macOS, and Linux. The expansion card supports hardware platforms such as Intel, AMD, and Apple Silicon 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

• OPTIONAL 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, macOS, and Linux; Works with all hardware platforms, including Intel, AMD, and Apple Silicon, 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	USB 3.2 Gen 1 (5 Gbps)
	Card Type	Standard Profile (LP bracket incl.)
	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 Rate	5Gbps
	Type and Rate	USB 3.2 Gen 1 - 5 Gbit/s
	UASP Support	Yes
Connector(s)		
	Internal Ports	1 - SATA Power (15 pin)
		1 - 4 pin Power (LP4) Female
	External Ports	4 - USB 3.2 Type-A (9 pin, Gen 1, 5Gbps)
	Host Connectors	1 - PCI Express x4
Software		
	OS Compatibility	Windows 7, 8, 8.1, 10, 11
		Windows Server 2008 R2, 2012 R2, 2016, 2019, 2022
		Linux 2.6.31 and up - LTS Versions only
Power		
	Power Source	Bus Powered
Environmental		
	Operating Temperature	0C to 50C (32F to 122F)
	Storage Temperature	-10C to 70C (14F to 158F)
	Humidity	5% ~ 90% RH (non-condensing)
Physical Characteristics		
	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]
Packaging Information		
	Package Length	8.1 in [20.7 cm]

	Package Width	5.7 in [14.4 cm]
	Package Height	1.5 in [3.8 cm]
	Shipping (Package) Weight	3.9 oz [110.0 g]

What's in the Box

	Included in Package	1 - PCIe USB Card
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.