5-Port USB PCIe Card, USB 3.2 10Gbps, PCI Express Card with 4x USB-C Ports, 1x USB-A Internal Port, USB PCIe Controller Card, Windows/macOS/Linux

Product ID: PS4C3IA3-USB-C-CARD



Upgrade or expand a desktop or server's USB connectivity by adding four external USB Type-C 10Gbps ports and one internal USB Type-A 10Gbps port via a single PCI Express x4 connection.

The ASM3142 controller supports USB 3.2 transfer speeds of up to 10Gbps, making it ideal for transferring large files or editing high-resolution photos and videos on external storage devices.

This USB PCIe expansion card can receive supplemental power through SATA power, providing up to 5V 3A (15W) per USB Type-C port and 5V 1.5A (7.5W) on the USB Type-A port when motherboard power is insufficient.

The PCI Express USB card drivers auto-install in most major operating systems, including Windows 8 and up, macOS, and Linux. It works with hardware platforms such as Intel, AMD, and Apple Silicon and fits in PCI Express x4, x8, and x16 slots. Additionally, the USB expansion card comes with a pre-installed standard profile bracket and includes a low-profile bracket for compatibility with small form factor (SFF) desktops and servers.

Certifications, Reports and Compatibility

RoHS Compliant

Windows 11 | Windows 10 | Windows 8 | Windows 7 | Windows Server 2022 | Windows Server 2019 | Windows Server 2016 | Windows Server 2012 | macOS Sonoma



Applications

• Upgrade an older PCIe-equipped desktop to USB 10Gbps with 4x USB Type-C and 1x USB Type-A

• Ideal for file backups, video editing, and data recovery, using high-bandwidth USB 10Gbps external storage solutions

Features

• HIGH-PERFORMANCE USB CARD: Upgrade or expand a desktop/server's USB connectivity by adding four external USB Type-C 10Gbps ports and one internal USB Type-A 10Gbps port via a single PCI Express x4 connection

• FAST DATA TRANSFER: ASM3142 controller supports USB 3.2 transfer speeds of up to 10Gbps; Ideal for transferring large files or editing high-resolution photos/videos on external storage devices

• OPTIONAL POWER: USB PCIe expansion card with SATA power supplies additional power to the USB ports (when motherboard power is insufficient), providing up to 5V 3A (15W) per USB Type-C port and 5V 1.5A (7.5W) on the USB Type-A port

• COMPATIBILITY: Drivers auto-install in most OS's including Windows 8 & up, macOS, and Linux; Works with all hardware platforms such as Intel, AMD, and Apple Silicon that have a PCI Express x4/x8/x16 slot; Does not support DP-Alt Mode/USB Power Delivery

• STANDARD & LOW PROFILE BRACKET: PCI Express USB Expansion Card comes with a pre-installed standard profile bracket and includes a low-profile bracket for compatibility with small form factor (SFF) desktops and servers

Hardware

Warranty	2 Years
Ports	5
Interface	PCI Express
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card
Industry Standards	PCI Express 3.0
Chipset ID	ASMEDIA - ASM3142

VIA LABS - VL822

Performance		
	Total USB Power Output	USB-C Power Output: 15W
		USB-A Power Output: 7.5W
	Maximum Data Transfer Rate	10Gbps
	Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
	UASP Support	Yes
Connector(s)		
	Internal Ports	1 - USB 3.2 Type-A (9 Pin, Gen 2, 10Gbps, 7.5W Power)
		1 - SATA Power (15 pin)
	External Ports	4 - USB 3.2 Type-C (24 Pin, Gen 2, 10Gbps, 15W Power)
	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 3.5 and up - LTS Versions only
		macOS Catalina (10.15)
		macOS Mojave (10.14) macOS High Sierra (10.13)
		macOS Big Sur (11.0)
		macOS Monterey (12.0)
		macOS Ventura (13.0)
		macOS Sonoma (14.0)
Special Notes / Requirements		
	Note	This USB card is equipped with a physical PCI Express x4 connector, but only utilizes 2 PCI Express lanes
		This USB Card does not support DP-Alt Mode over USB-C
		This USB Card does not support USB Power Delivery

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
Physical Characteristics		
	Color	Black
	Product Length	4.8 in [12.2 cm]
	Product Width	4.8 in [12.1 cm]
	Product Height	0.9 in [2.2 cm]
	Weight of Product	2.1 oz [60.0 g]
Packaging Information		
	Package Length	8.3 in [21.0 cm]
	Package Width	5.6 in [14.2 cm]
	Package Height	1.4 in [3.5 cm]
	Shipping (Package) Weight	5.5 oz [156.0 g]
What's in the Box		
	Included in Package	1 - PCIe USB Card
		1 - Full-Profile Bracket (Installed)
		1 - Low-Profile Bracket
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.