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Data Sheet

x4 PCI Express to SFF-8643 Adapter for PCIe NVMe U.2 SSD

Product ID: PEX4SFF8643



Unleash the performance of your desktop PC or server with this enterprise-class drive adapter. By providing compatibility with newer U.2 NVMe SSDs, such as the Intel® SSD 750 series, you can gain faster read/write speeds and higher productivity levels for data-intensive applications.

Upgrade your system cost-effectively

This drive adapter provides an ideal way to upgrade legacy motherboard platforms and your existing computer system, by adding compatibility for newer U.2 NVMe SSDs, which are designed to meet the high-performance needs of today's data centers and enterprise-level applications.

The adapter card enables IT professionals and system integrators to upgrade their computing infrastructure by installing the adapter card into the PCIe slots on desktop PCs or servers. Upgrading, rather than replacing computing infrastructure, provides a cost-effective way to enhance your system's performance.

U.2 NVMe SSDs also offer superior energy efficiency, providing an advantage to companies looking to reduce energy costs.

Gain higher productivity through faster read/write speeds

Companies and organizations with intensive file workloads can achieve greater productivity by upgrading their data center or enterprise-level applications with U.2 NVMe SSD capability. U.2 SSDs are up to four times faster than SATA SSDs, providing extremely fast read/write speeds, high-speed file access and transfers, and rapid boot times. U.2 NVMe SSDs are also more reliable than SATA hard drives, so less time is spent waiting for computers to boot, or applications and files to load.

Through U.2 NVMe SSD capability, the drive adapter brings enhanced productivity for numerous data-heavy applications. Office professionals, from architects and engineers to healthcare professionals, can quickly access and edit large documents, spreadsheets, or 3D models and renderings. Creative professionals, including content creators and graphic designers, can work more productively on photo editing, video production and editing of large image or audio files.

The drive adapter also saves time for gaming enthusiasts, with much faster launch times and level changes.

Installs easily into your PC’s 4-lane PCIe expansion slot

The U.2 SSD adapter lets you add a PCIe NVMe 2.5 in. SSD to a computer system that doesn’t natively support U.2 PCIe NVMe. The adapter simply connects to your computer’s 4-lane or greater PCI Express slot and enables you to connect a U.2 SSD to your PC through the provided SFF-8643 interface, using an SFF-8643 to U.2 cable. The PCIe 2.5 in. NVMe SSD adapter is compatible with PCIe 3.0 and PCIe 2.0 motherboards.

The drive adapter comes with a full-profile bracket (preinstalled), and also includes a low-profile bracket that makes it easy to install the card in a small form-factor computer.

The PEX4SFF8643 is backed by a 2-year StarTech.com warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant Available

Applications

- Upgrade your data center or enterprise-level applications with U.2 NVMe SSD capability
- Utilize the advanced performance of a PCIe NVMe 2.5 in. SSD for intensive data workloads - ideal for numerous professionals from architects to medical professionals
- Work with large files more efficiently for audio/video production and editing
- Enhance productivity for data-heavy workloads, ideal for developers and content creators

Features

- Add an enterprise-class PCIe NVMe 2.5 in. U.2 SSD capability to your PC or server
- PCI Express 3.0x4 lane host adapter
- Compatible with PCIe 3.0 and PCIe 2.0 motherboards
- Comes with full-profile bracket (installed) and low-profile bracket

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Compatible Drive Types	PCIe U.2 SSD
	Fan(s)	No
	Interface	PCI Express
	Number of Drives	1
Connector(s)	Drive Connectors	1 - SFF-8643 (36 pin, x4 PCIe Gen 3)
	Host Connectors	1 - PCI Express x4
Indicators	LED Indicators	1 - LED Header for drive activity
Environmental	Humidity	15% ~ 90%
	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	Color	Red
	Product Height	1.7 in [44 mm]
	Product Length	3.2 in [81 mm]
	Product Weight	1.3 oz [38 g]
	Product Width	0.7 in [18 mm]
Packaging Information	Shipping (Package) Weight	3.9 oz [111 g]
What's in the Box	Included in Package	1 - x4 PCI Express to SFF-8643 adapter
		1 - low-profile bracket
		1 - full-profile bracket (installed)
		1 - quick-start guide

Product appearance and specifications are subject to change without notice.