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Data Sheet

# U.2 (SFF-8643) to M.2 PCI Express 3.0 x4 Host Adapter Card for 2.5” U.2 NVMe SSD

Product ID: M2E4SFF8643




This PCI Express U.2 to M.2 adapter makes it easy to install a high-performance U.2 PCIe-NVMe SSD into your desktop PC or server and connect the drive through an M.2 PCIe x4 slot on your motherboard. By creating compatibility with newer U.2 NVMe SSDs, such as the Intel® SSD 750 series, this enterprise-class drive adapter enables you to gain faster read/write speeds and higher productivity levels for data-intensive applications.

## Gain faster system performance

This drive adapter card lets you optimize your system performance by harnessing the increased speed and low latency of a U.2 PCIe-NVMe SSD (compared to regular platter drives), by adding a U.2 interface to your system.

## Upgrade your system cost-effectively

The U.2 to M.2 adapter is ideal for IT professionals, system integrators and installers, and enthusiasts who are building or upgrading a server or desktop computer. It’s a cost-effective alternative that delivers the superior performance of newer U.2 NVMe SSDs, without the expense of replacing the system motherboard for the sake of compatibility.

## Easy installation

The U.2 to M.2 adapter works with all desktop PCs and servers that have an M.2 PCIe x4 host interface. The adapter card is OS independent, so there are no drivers or software required for installation.

The M2E4SFF8643 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

RoHS Compliant Available

## Applications

- Ideal for IT professionals, system integrators and installers, and enthusiasts who are building or upgrading a computer or server solution
- Provides an easy and economical upgrade solution for systems that already have an available SSD/HDD mounting bay and an M.2 PCIe x4 connection

## Features

- Boost system performance by adding an enterprise-class U.2 PCIe NVMe SSD to your PC or server
- Adapter supports one U.2 PCIe NVMe SSD, with a Mini-SAS HD SFF-8643 connector
- M.2 PCIe x4 host interface
- Compatible with current PCIe standards and backward compatible with earlier releases
- Fast and easy setup with native OS support

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| | Warranty | 2 Years |
| **Hardware** | Bus Type | PCI Express |
| | Compatible Drive Types | U.2 (SFF-8643, x4 PCIe, NVMe) |
| | Drive Installation | Fixed |
| | Interface | M.2 PCIe (x4 PCIe) |
| | Number of Drives | 1 |
| **Connector(s)** | Drive Connectors | 1 - SFF-8643 (36 pin, x4 PCIe Gen 3) |
| | Host Connectors | 1 - M.2 (NGFF, M-Key, PCIe x4) |
| **Software** | OS Compatibility | OS independent; No software or drivers required |
| **Environmental** | Humidity | 15% ~ 90% RH |
| | Operating Temperature | 0°C to 55°C (32°F to 131°F) |
| | Storage Temperature | -40°C to 85°C (-40°F to 185°F) |
| **Physical Characteristics** | Color | Red |
| | Product Height | 0.6 in [15 mm] |
| | Product Length | 2.5 in [63 mm] |
| | Product Weight | 0.3 oz [8 g] |
| | Product Width | 0.8 in [21 mm] |
| **Packaging Information** | Shipping (Package) Weight | 2.6 oz [74 g] |
| **What's in the Box** | Included in Package | 1 - drive adapter card |
| | | 1 - adapter-mounting screw |
| | | 1 - quick-start guide |

Product appearance and specifications are subject to change without notice.