M.2 to U.3 Adapter for M.2 NVMe SSDs, PCIe M.2 Drive to 2.5inch U.3 (SFF-TA-1001) Host Adapter/Converter, TAA Compliant - 2.5" Drive Form Factor

Product ID: 1M25-U3-M2-ADAPTER



Convert and connect a PCIe M.2 NVMe/AHCI SSD to a 2.5inch form factor to install in a U.3 drive bay or backplane.

Change the form factor of a 2242, 2260, or 2280 M.2 NVMe drive while maintaining PCIe Gen 4 read and write speeds. This adapter has been designed with no chipset to maintain performance when adapting an M.2 drive to a 2.5-inch form factor.

The M.2 to U.3 Host Adapter is compatible with all operating systems, including Windows, macOS, and Linux. No additional drivers or software for installation and operation. The adapter includes M.2 drive and U.3 adapter mounting hardware.

The M.2 to U.3 Host Adapter is backward compatible with earlier versions of M.2 PCIe NVMe drives. It is not compatible with SATA or SAS host controllers, M.2 SATA SSDs, or U.2 host interfaces.

Certifications, Reports and Compatibility

Applications

• Connect an M.2 NVMe SSD to a computer or server through an available U.3 (SFF-TA-1001) connection to

increase data storage capacity

• Enhance productivity for data-intensive applications, making it ideal for developers and content creators

Features

• PCIe M.2 SSD TO 2.5" U.3 ADAPTER: Convert and connect a PCIe M.2 NVMe/AHCI SSD to a 2.5inch form factor to install in U.3 drive bays/backplanes; Compatible with U.3 (SFF-TA-1001) host interfaces; M.2 to U.3 Adapter is TAA Compliant

• FULL PERFORMANCE: Change the form factor of a 2242, 2260, or 2280 M.2 NVMe drive while preserving the read and write speeds; No chipset design ensures no loss in performance when adapting to 2.5inch

• HASSLE-FREE SETUP: M.2 to U.3 Host Adapter works with all operating systems including Windows, macOS, and Linux; M2 to U.3 Adapter requires no additional drivers or software; Includes drive and adapter mounting screws for an efficient installation

• VERSATILE M.2 NVME SUPPORT: Open frame design enables support for M.2 drives with larger heatsinks, and allows for better airflow; Supports PCIe 4.0 and lower drives; SFF-TA-1001 is not compatible with SATA/SAS/U.2 host controllers or SATA-based M.2 SSDs

• OUR ADVANTAGE: IT professionals' choice for over 30 years; This M2 to U.3 converter is backed for two years, including free 24/5 North America based multi-lingual technical assistance

Hardware

Warranty	2 Years
Fan(s)	No
Interface	U.3 (PCIe, NVMe, SFF-TA-1001)
Bus Type	PCI Express
Number of Drives	1
Compatible Drive Types	M.2 (PCIe, NVMe, M-Key, NGFF)
Supported Drive Height(s)	2242
	2260
	2280

Performance

S.M.A.R.T. Support	Yes
Hardware Raid Supported	No
Insertion Rating	60 Cycles

	MTBF	12,368,734 Hours
Connector(s)		
	Drive Connectors	1 - M.2 (NVMe, M-Key, PCIe x4)
	Host Connectors	1 - U.3 (PCIe, NVMe, SFF-TA-1001)
Software		
	OS Compatibility	No Drivers or Software Required
Special Notes / Requirements		
	Note	NVMe SSDs may require additional drivers, provided by the manufacturer, or may be natively provided by the operating system (Windows 8 and later - Mac OS 10.10.3 and later). Earlier OS versions do not have native NVMe support.
Power		
	Output Voltage	3.3V DC
	Output Current	5A
Environmental		
	Operating Temperature	0C to 50C (32F to 122F)
	Storage Temperature	-40C to 85C (-40F to 185F)
	Humidity	15% - 90% RH
Physical Characteristics		
	Color	Red
	Product Length	3.9 in [10.0 cm]
	Product Width	2.8 in [7.0 cm]
	Product Height	0.3 in [0.7 cm]
	Weight of Product	1.3 oz [37.0 g]
Packaging Information		
	Package Length	6.9 in [17.5 cm]
	Package Width	5.6 in [14.2 cm]

	Package Height	1.2 in [3.0 cm]
	Shipping (Package) Weight	3.5 oz [100.0 g]

What's in the Box

	Included in Package	1 - M.2 to U.3 Adapter
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.