

Dual-Bay M.2 NVMe Enclosure and Standalone Duplicator, 1:1 NVMe Cloner and SSD Enclosure, USB-C 10Gbps, Dual M.2 NVMe Reader and Offline Cloner, TAA

Product ID: 2M2DC-NVME-ENCLOSURE



This Dual Bay M.2 NVMe enclosure with a USB-C 10Gbps host port offers instant drive access and standalone duplication, providing efficient and fast cloning of storage devices.

Clone M.2 NVMe solid-state drives (SSDs) without a computer. This device requires no drivers or software and delivers high-performance sector-by-sector copy rates of up to 50Gbp/s, working with any file format and copying the entire drive.

The USB-C 10Gbps host connection enables external access and storage functionality for M.2 NVMe drives, facilitating data transfer between different computers without requiring internal drive installation.

With a compact aluminum housing, the M.2 NVMe Enclosure is portable and minimizes desk space usage. It enables instant data backup, and is ideal for IT Professionals performing on-site troubleshooting, with the ability to re-image and re-deploy M.2 NVMe drives without the need for a dedicated disk cloner.

The enclosure features built-in thermal heat pads, to maintain consistent temperatures during peak performance. The Standalone Duplicator Enclosure supports 4Kn sector size, TRIM, SMART, and UASP. Please note that the target disk must be equal to or larger than the source disk.

Certifications, Reports and Compatibility



Applications

- Enable quick drive access to two M.2 NVMe drives over a 10Gbps USB-C host connection
- Standalone Duplicator function is ideal for instant data backup, drive re-imaging, or deployments
- Compact aluminum housing is portable and suitable for traveling or on-site troubleshooting

Features

- **STANDALONE M.2 CLONER ENCLOSURE:** Perform standalone duplication of M.2 NVMe solid-state drives (SSDs) without the need for a computer; High performance sector-by-sector copy rates of up to 50Gbps; Works with any file format and copies the entire drive
- **DUAL M.2 DRIVE ACCESS:** Bus-powered USB-C 10Gbps host connection enables quick external access to two M.2 NVMe drives, facilitating data transfer without installing the drives internally; Auxiliary USB-C power connection for standalone drive cloning
- **COMPACT & PORTABLE:** Compact aluminum housing takes up minimal desk space and offers a portable solution for travel; Individual LEDs indicate Power, Drive Detection, and Duplication Progress; Thermal pads enable heat dissipation for peak performance
- **COMPATIBILITY:** Driverless operation ensures compatibility with any Operating System; Supports M-Key 2230/2242/2260/2280 M.2 NVMe SSDs, 4Kn sectors, TRIM, SMART, and UASP; For cloning, the target disk must be equal to or larger than the source disk
- **APPLICATIONS:** Compact Standalone Cloner Enclosure is ideal for traveling IT Pros; Perform instant data backup, IT disk re-imaging, disk support, or access data from your M.2 NVMe drives using any USB-C host

Hardware

Warranty	2 Years
Fan(s)	No
Bus Type	PCI Express
Number of Drives	2
Drive Size	22 mm - M.2 NVMe
Compatible Drive Types	M.2 (PCIe, NVMe, M-Key, NGFF)
Supported Drive Height(s)	2230
	2242
	2260

	2280
Chipset ID	JMS581
Performance	
UASP Support	Yes
Duplication Modes	Sector by Sector (Whole Drive)
Duplication Speed	50Gbps
Hot Swap Capability	No
Connector(s)	
Drive Connectors	2 - M.2 (NVMe, M-Key, PCIe x4)
Host Connectors	2 - USB Type-C (24 pin, Gen 2x2, 20Gbps)
Software	
OS Compatibility	OS Independent - No Drivers or Software Required
Special Notes / Requirements	
Note	<p>For duplication, the target drive must be of equal or greater size than the source drive.</p> <p>Duplication speed of up to 50Gbps achieved in benchmark testing environment; actual speed will vary based on drive model, algorithm, and other factors. Results may vary.</p>
Indicators	
LED Indicators	<p>4 - Progress LEDs: Indicates 25%, 50%, 75%, and 100% progress during the duplication process</p> <p>2 - Drive LEDs:</p> <p>Solid: Indicates the M.2 Drive is detected</p> <p>Off: There is an error reading the M.2 Drive or the M.2 Drive was removed during duplication</p> <p>1 - Power LED</p>
Power	
Power Source	USB-Powered
Environmental	

Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-10C to 70C (14F to 158F)
Humidity	10% ~ 85% RH

Physical Characteristics

Color	Black
Cable Length	10.6 in [269.6 mm]
Product Length	4.5 in [11.5 cm]
Product Width	2.8 in [7.0 cm]
Product Height	0.7 in [1.7 cm]
Weight of Product	7.3 oz [207.0 g]

Packaging Information

Package Length	3.6 in [9.2 cm]
Package Width	5.7 in [14.4 cm]
Package Height	1.8 in [4.6 cm]
Shipping (Package) Weight	11.6 oz [327.7 g]

What's in the Box

Included in Package	1 - M.2 NVMe Enclosure
	1 - USB-C Cable
	1 - Set of M.2 Rubber Standoffs
	1 - Quick-Start Guide

****Product appearance and specifications are subject to change without notice.***