1:1 M.2 NVMe Drive Duplicator, Standalone M.2 SSD Cloner/Copier up to 90GBpm, USB 3.2 20Gbps M.2 Dual-Bay Drive Dock, USB-C/A Cables Included

Product ID: M2-HDD-DUPLICATOR-N1



This M.2 NVMe drive duplicator with a USB 3.2 Gen2x2 (20Gbps) host port offers high-speed duplication capabilities of up to 90GB per minute, providing efficient and fast cloning of storage devices.

Clone or duplicate M.2 NVMe solid-state drives (SSDs) without the need for a computer. This device requires no drivers or software and offers high-performance sector-by-sector duplication rates of up to 90GBpm and works with any file format, copying the entire drive.

The USB 20Gbps host connection enables external access and storage functionality for M.2 NVMe drives, facilitating data transfer between different computers without the need for internal drive installation.

The device has a small form factor, requiring minimal desktop or storage space. LEDs display progress, status, and power, while an audible buzzer confirms duplication completion. The device features active and passive cooling to ensure optimal performance.

The top-loading (toaster-style) design accommodates all PCIe M.2 (M-Key) drives, including those with pre-installed heat sinks. The device supports 4Kn sector size. Please note that the target disk must be equal to or larger than the source disk.

Certifications, Reports and Compatibility

RoHS Compliant

Operating System Independent

Applications

• Back up critical data stored on NVMe SSDs and ensure efficient recovery in the event of drive failure or data loss

• Streamline the deployment of identical system configurations by creating exact copies of a configured NVMe drive

• Upgrade or replace an M.2 NVMe SSD by duplicating the existing drive contents to a new drive, eliminating time-consuming data transfers and reinstallations

Features

• STANDALONE M.2 DUPLICATOR: Clone or duplicate M.2 NVMe solid-state drives (SSDs) without the need for a computer; High performance sector-by-sector duplication rates of up to 90GBpm; Works with any file format and copies the entire drive

• M.2 DRIVE DOCK: USB 3.2 Gen2x2 (20Gbps) host connection enables external access and storage functionality for M.2 NVMe drives, facilitating data transfer between different computers without the need to install the drives internally

• COMPACT & USER-FRIENDLY: Small form factor requires minimal desktop or storage space; LEDs indicate power, progress, and SMART status; Audible buzzer confirms duplication completion; Active and passive cooling ensure optimal performance

• COMPATIBILITY: No drivers or software required; Top-loading (toaster-style) design ensures all PCIe M.2 (M-Key) will fit, even those with pre-installed heat sinks; Supports 4Kn sector size; Target disk must be equal to or larger than the source disk

• APPLICATIONS: Standalone solution for cloning M.2 NVMe drives without using computer resources; Ideal for data backup, hardware upgrades, IT system imaging and support tasks, routine maintenance, and educational environments

Hardware

Warranty	2 Years
Fan(s)	Yes
Fans	1 - 60 mm
Number of Drives	2
Drive Size	22 mm - M.2 NVMe
Compatible Drive Types	M.2 (PCIe, NVMe, M-Key, NGFF)
Drive Installation	Removable
Supported Drive Height(s)	2230

		2242
		2260
		2280
		22110
	Chipset ID	JMS586U
Performance		
	Duplication Modes	Sector by Sector (Whole Drive)
	Duplication Speed	90GBpm
	Hot Swap Capability	No
	MTBF	50,000 Hours
Connector(s)		
	Drive Connectors	2 - M.2 (NVMe, M-Key, PCIe x4)
	Host Connectors	1 - USB Type-C (24 pin, Gen 2x2, 20Gbps)
	Other Interface(s)	1 - Barrel Power Connector (Size M, OD:5.50, ID: 2.10)
Software		
	OS Compatibility	OS Independent - No Drivers or Software Required
Special Notes / Requirements		
	Note	For duplication, the target drive must be of equal or greater size than the source drive. Duplication speed of up to 90 GB per minute achieved in benchmark testing environment; actual speed will vary based on drive model, algorithm, and other factors. Results may vary.
Indicators		
	LED Indicators	4 - Progress LEDs: Indicates 25%, 50%, 75%, and 100% progress during the duplication process 2 - Drive LEDs: Solid Blue: Indicates the M.2 Drive is detected Flashing Red: There is an error reading the M.2 Drive or the M.2 Drive was removed during duplication Solid Purple: Indicates the Target M.2 Drive is too small to

		duplicate to 2 - Mode LEDs: Solid Green: PC Mode Solid Blue: Duplicator Mode

Power		
	Power Source	AC Adapter Included
	Input Voltage	100 - 240 AC
	Input Current	0.6A
	Output Voltage	12V DC
	Output Current	2A
	Center Tip Polarity	Positive
	Plug Type	M
	Power Consumption (In Watts)	0.1W

Environmental		
	Operating Temperature	5C to 55C (41F to 131F)
	Storage Temperature	-20C to 55C (-4F to 131F)
	Humidity	20% ~ 80% RH

Physical Characteristics		
	Color	Black
	Material	Plastic
	Cable Length	39.4 in [100 cm]
	Product Length	3.0 in [7.7 cm]
	Product Width	3.0 in [7.7 cm]
	Product Height	1.7 in [4.4 cm]
	Weight of Product	4.6 oz [129.0 g]

Packaging

Information

Package Quantity	1
Package Length	3.5 in [9.0 cm]
Package Width	6.3 in [16.0 cm]
Package Height	3.7 in [9.5 cm]
Shipping (Package) Weight	4.9 oz [140.0 g]

What's in the Box

Included in Package	1 - M.2 Drive Duplicator Dock
	1 - 3ft (1m) USB-C to USB-C Cable
	1 - 3ft (1m) USB-A to USB-C Cable
	1 - Universal Power Adapter (NA/EU/UK/ANZ)
	1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.