M.2 NVMe to 2.5/3.5" SATA Drive Duplicator, Dual Bay Standalone SSD Cloner/Drive Dock, Bidirectional NVMe to SATA / SATA to NVMe, Up to 27GBpm, TAA

Product ID: N2-M2-SSD-DUPLICATOR

Perform bidirectional cloning between M.2 NVMe and 2.5/3.5" SATA SSDs/HDDs without a computer, using this M.2 NVMe to SATA Drive Duplicator. The standalone sector-by-sector duplication supports SATA III (6Gbps) and works with any file format.

Clone an M.2 NVMe drive to a 2.5"/3.5" SATA SSD/HDD or vice versa. This solution is ideal for hardware upgrades, system imaging, or routine maintenance. The Duplicator Dock supports 2240, 2260, and 2280 M.2 NVMe sizes and fits all standard SATA drives, seamlessly combining both legacy and modern storage solutions.

The USB 3.2 Gen 2 (10Gbps) host connection provides external access to both M.2 NVMe and SATA drives, facilitating data transfer between systems without the need to install the drives internally.

The Standalone M.2 NVMe to 2.5/3.5in SATA Cloner is portable and minimizes desk space usage. It enables instant data backup, and is ideal for IT Professionals when troubleshooting on-site, with the ability to re-image and re-deploy M.2 NVMe and SATA SSDs/HDDs without the need for a dedicated cloning station.

The SSD Cloner Dock features a top-loading design to promote passive airflow for consistent temperatures during peak performance. The Standalone Duplicator 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

• Clone data from legacy SATA drives to M.2 NVMe

• Standalone Duplicator function is ideal for instant data backup, drive re-imaging, or deployments

• Enable quick drive access to M.2 NVMe and SATA SSDs/HDDs over a 10Gbps USB-C host connection

Features

• STANDALONE BIDIRECTIONAL CLONING: Copy an M.2 NVMe drive to a 2.5/3.5" SATA SSD/HDD, or clone from a SATA drive to M.2 NVMe without the need for a computer; Up to 27GB/min sector-by-sector duplication copies the entire drive; Works with any file format

• M.2 NVME AND SATA DOCK: USB 10Gbps (USB 3.2) host connection enables external access and storage for M.2 NVMe and SATA SSD/HDDs; Perform data transfer without installing the drives internally; Supports up to SATA III (6Gbps) and PCIe Gen3x2 (7.8Gbps)

• WIDE COMPATIBILITY: No drivers or software required; Toaster-style SATA drive bay fits all standard 2.5/3.5" SATA drives; M.2 NVMe slot supports 2242, 2260, & 2280 types; Supports 4Kn sector sizes; Target disk must be equal to or larger than source disk

• APPLICATIONS: Seamlessly clone data from legacy SATA drives to M.2 NVMe; Backup data from M.2 NVMe to a SATA SSD/HDD; Ideal for hardware upgrades, IT system imaging and deployments, support tasks, and routine maintenance; USB-C Cable is included

• COMPACT & USER-FRIENDLY: Small form factor requires minimal desktop or storage space; LEDs indicate power, drive activity, and progress; Top-loading design promotes greater passive cooling for optimal performance

Hardware		
	Warranty	2 Years
	Fan(s)	No
	Bus Type	PCI Express
		USB-C
	Number of Drives	2
	Drive Size	22 mm - M.2 NVMe
	Compatible Drive Types	M.2 (PCIe, NVMe, M-Key, NGFF)

		SATA
	Drive Installation	Removable
	Number of external 5.25 inch bays	1
	Supported Drive Height(s)	2242
		2260
		2280
	Chipset ID	JMS581D

Performance

	Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
	UASP Support	Yes
	4Kn Support	Yes
	Type and Rate	SATA III (6 Gbps)
	Duplication Modes	Sector by Sector (Whole Drive)
	Hot Swap Capability	Yes

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.
		Actual duplication 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: Indicates the M.2 Drive is detected
		Off: There is an error reading the M.2 Drive or the M.2 Drive was removed during duplication

Power

Power Source	AC Adapter Included
Input Voltage	100 - 240 AC
Input Current	1.5A
Output Voltage	12V DC
Output Current	3A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	0.1W

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
Material	ABS
Cable Length	39.4 in [100 cm]
Product Length	5.5 in [14.0 cm]
Product Width	3.9 in [10.0 cm]
Product Height	2.2 in [5.5 cm]
Weight of Product	10.3 oz [292.0 g]

Packaging Information

Package Length	4.6 in [11.8 cm]
Package Width	9.8 in [24.9 cm]
Package Height	2.6 in [6.5 cm]

Shipping (Package) Weight	1.4 lb [0.6 kg]	

What's in the Box

Included in Package	1 - M.2 NVMe/SATA Duplicator Dock	
	1 - USB-C Cable	
	2 - Rubber M.2 Standoff	
	1 - Power Adapter (NA/JP, UK, EU, ANZ)	
	1 - Quick-Start Guide	

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