


NV-BM Series – Slim Version NVMe Duplicator and Sanitizer



Product Features

Features	Descriptions
Operation Type	<ul style="list-style-type: none"> Stand-alone, FPGA-based operation (Non-PC based system design).
Controller Design	<ul style="list-style-type: none"> Embedded controller is designed to support capacities over 18TB+. Constant improvement supports latest market-available devices.
Protocols Supported	<ul style="list-style-type: none"> Supports Native NVMe protocol.
Hot Swap Supported	<ul style="list-style-type: none"> Supports hot swapping of devices.
Bandwidth Performance	<ul style="list-style-type: none"> Peak transfer speeds up to 10.2GB/min. (170MB/sec.) Dedicated bandwidth enables high-volume replications without speed degradation.
Read-Only Source Port	<ul style="list-style-type: none"> There are no options to disable this built-in feature and is integrated with all U-Reach duplicators.
Modular Port Design	<ul style="list-style-type: none"> Modular ports are replaced quickly, which effectively reduce downtime and is cost-effective for long-term ownership.

Product Models

Photos	Models	Target Ports
	NV-BMS4	1:3

Product Functions

Functions	Descriptions
4 Copy Modes	<ul style="list-style-type: none"> • <u>Quick Copy (Data & System)</u>: Supports Windows, Mac, and Linux. • <u>All Partitions</u>: Users can skip HPA or unknown partitions. • <u>Whole Device</u>: Copies bit-by-bit from the master device. • <u>Percentage Copy</u>: Users can set percentages of capacity to be copied.
Compare (Verification)	<ul style="list-style-type: none"> • Bit-by-bit data comparison from the source device to target device(s).
3 Sanitization Modes	<ul style="list-style-type: none"> • Quick Erase • Full Erase (NIST 800-88) • Secure Erase (NIST 800-88)
Skip Bad Sectors	<ul style="list-style-type: none"> • Choose the number of bad sectors to skip.

Product Compatibilities

Compatibilities	Descriptions
Compatible Devices	<ul style="list-style-type: none"> • NGFF (M.2): 2230, 2242, 2260, 2280, 3030, 3042, 3060, and 3080. • Supports B+M Key or M Key Only
Supported Formats	<ul style="list-style-type: none"> • Quick Copy Function: FAT16/32/64, Windows (NTFS), Linux (Ext2/Ext3/Ext4), and Mac (HFS, HFS+, HFSX). • Whole Device Copy Function: All Formats, including proprietary formats. • GPT, MBR, and Advanced Formats.
Compatibilities	Descriptions
Supported O/S	<ul style="list-style-type: none"> • All (Windows, Mac, Linux, and other proprietary systems).

Product Specifications

Specifications	Descriptions
LCD Display	<ul style="list-style-type: none"> • 2 x 20 Backlit Monochrome LCD Display
LEDs	<ul style="list-style-type: none"> • 3 LED Indicators per Port: • Yellow (Power), Green (Pass), and Red (Fail)
Control Panel	<ul style="list-style-type: none"> • 4 Push Buttons (▲, ▼, OK, ESC)
Power Requirements	<ul style="list-style-type: none"> • <u>Power Input</u>: Universal Power 115VAC or 230VAC, 50/60Hz • <u>Power Output</u>: 12VDC 9A
Operational Temperature	<ul style="list-style-type: none"> • 0°C ~ 60°C (32°F ~ 140°F)
Non-operational Temperature	<ul style="list-style-type: none"> • -20°C ~ 85°C (-4°F ~ 185°F)
Humidity	<ul style="list-style-type: none"> • <u>Operating</u>: 20% ~ 95%, non-condensing • <u>Non-operating</u>: 5% to 95%, non-condensing

Packaging Dimensions (L×W×H)	• <u>NV-BMS4</u> – 450 mm x 340 mm x 90 mm (17.7 in. x 13.39 in. x 3.54 in.)
Product Weight	• <u>NV-BMS4</u> – 3.2 kg (7.1 lbs.)
Certifications	• FCC, CE, RoHS, and REACH
MIL-STD-810G	• 501.5 / 502.5 / 507.5 / 514.6 / 516.6
ISO/IEC	• 27037, 27041, 27042, 27043, and 27050

Product Replacement Parts

Part Numbers	Descriptions
TB1587	• M.2 NVMe Socket Replacement

More Information

For additional details on the U-Reach® NV-BM Series, please visit: [TBA](#)

Specifications are subject to change without notice.