





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 (Gen 3 & Gen 4 & Gen 5) 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
	NV-BMS8	1:7
	NV-BMS12	1:11
	NV-BMS24	1:23

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 Clear) • DoD 3-Pass (DoD 5220.22-M) • DoD 3-Pass+compare (DoD 5220.22-M) • Secure Erase (NIST 800-88 Purge)
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)	<ul style="list-style-type: none"> • <u>NV-BMS4</u> – 11 in. x 13 in. x 7.5 in • <u>NV-BMS8</u> – 18.5 in. x 16 in. x 12 in • <u>NV-BMS12</u> – 22.5 in. x 18 in. x 15.5 in • <u>NV-BMS24</u> – 25 in. x 24 in. x 14 in
Product Weight	<ul style="list-style-type: none"> • <u>NV-BMS4</u> – 8 lbs • <u>NV-BMS8</u> – 16 lbs • <u>NV-BMS12</u> – 27.6 lbs • <u>NV-BMS24</u> – 41.5 lbs
Certifications	<ul style="list-style-type: none"> • FCC, CE, RoHS, and REACH
MIL-STD-810H	<ul style="list-style-type: none"> • 501.5 / 502.5 / 507.5 / 514.6 / 516.6
ISO/IEC	<ul style="list-style-type: none"> • 27037, 27041, 27042, 27043, and 27050

Product Replacement Parts

Part Numbers	Descriptions
TB1587	<ul style="list-style-type: none"> • M.2 NVMe Socket Replacement

More Information

For additional details on the U-Reach® NV-BM Slim Series, please visit: <https://www.ureach-usa.com>

Specifications are subject to change without notice.