





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) • 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 (LxWxH) | <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.