





# NV-BM Series PCIe Duplicator and Sanitizer



## Product Features

Features	Descriptions
<b>Operation Type</b>	<ul style="list-style-type: none"> <li>Stand-alone, FPGA-based operation (Non-PC based system design).</li> </ul>
<b>Controller Design</b>	<ul style="list-style-type: none"> <li>Embedded controller is designed to support capacities over 18TB+.</li> <li>Constant improvement supports latest market-available devices.</li> </ul>
<b>Protocols Supported</b>	<ul style="list-style-type: none"> <li>Supports Native NVMe (Gen 3 &amp; Gen 4 &amp; Gen 5) and Native SATA protocol.</li> </ul>
<b>Hot Swap Supported</b>	<ul style="list-style-type: none"> <li>Supports hot swapping of devices.</li> </ul>
<b>Bandwidth Performance</b>	<ul style="list-style-type: none"> <li>Speed transfers of up to 24.0GB/min. (400MB/sec.)</li> <li>Dedicated bandwidth enables high-volume replications without speed degradation.</li> </ul>
<b>Read-Only Source Port</b>	<ul style="list-style-type: none"> <li>There is no option to disable this built-in feature and it is integrated with all U-Reach duplicators.</li> </ul>
<b>Cable-free Hardware Design</b>	<ul style="list-style-type: none"> <li>The rail-guiding module design allows for quick device connections and disconnects.</li> <li>Modular-designed ports effectively reduce downtime and is cost-effective for long-term ownership.</li> </ul>
<b>Image Management</b>	<ul style="list-style-type: none"> <li>Allows user to transfer multiple master images from PC and store them in the duplicator's internal storage device.</li> </ul>
<b>Event Log Management</b>	<ul style="list-style-type: none"> <li>Records: operating durations, individual port copy progressions, connected device models, capacities, serial numbers, and PASS or FAIL results.</li> <li>Device writing/reading speeds are recorded.</li> <li>Log report files are generated through the front USB port and are saved to USB devices.</li> </ul>

## Product Models

Photos	Models	Target Ports
	<b>NV-BM600</b>	1:5
	<b>NV-BM1100</b>	1:10
	<b>NV-BM1600</b>	1:15
	<b>NV-BM2100</b>	1:20

## Product Functions

Functions	Descriptions
<b>4 Copy Modes</b>	<ul style="list-style-type: none"> <li>• <u>Quick Copy (Data &amp; System)</u>: Supports Windows, Mac, and Linux.</li> <li>• <u>All Partitions</u>: Users can skip HPA or unknown partitions.</li> <li>• <u>Whole Device</u>: Copies bit-by-bit from the master device.</li> <li>• <u>Percentage Copy</u>: Users can set percentages of capacity to be copied.</li> </ul>
<b>Compare (Verification)</b>	<ul style="list-style-type: none"> <li>• Bit-by-bit data comparison from the source device to target device(s).</li> </ul>
<b>5 Sanitization Modes</b>	<ul style="list-style-type: none"> <li>• Quick Erase</li> <li>• Full Erase (NIST 800-88)</li> <li>• DoD3 Pass (DoD 5220.22-M)</li> <li>• DoD3 Pass+Compare (DoD 5220.22-M)</li> <li>• Secure Erase</li> </ul>
<b>Skip Bad Sectors</b>	<ul style="list-style-type: none"> <li>• Choose the number of bad sectors to skip.</li> </ul>
<b>Unknown Format</b>	<ul style="list-style-type: none"> <li>• Choose to copy or skip unknown formats.</li> </ul>
<b>Erase Source Port</b>	<ul style="list-style-type: none"> <li>• Enable or disable source port from being erased.</li> </ul>
<b>Device Power-up</b>	<ul style="list-style-type: none"> <li>• Choose time to wait for the device to power up prior to copy, erase, etc.</li> </ul>
<b>Device Power-down</b>	<ul style="list-style-type: none"> <li>• Choose time to wait for the device to power down prior to disconnection.</li> </ul>
<b>Scroll Lock</b>	<ul style="list-style-type: none"> <li>• Disable or enable ▲ and ▼ buttons on the control panel.</li> </ul>
<b>Language</b>	<ul style="list-style-type: none"> <li>• English or Japanese.</li> </ul>
<b>Log Manager</b>	<ul style="list-style-type: none"> <li>• Manage and export log reports.</li> </ul>

## Product Compatibilities

Compatibilities	Descriptions
<b>Compatible Devices</b>	<ul style="list-style-type: none"> <li>• NGFF (M.2): 2230, 2242, 2260, 2280, 3030, 3042, 3060, 3080, and PCI-e SSD (full and low profiles).</li> <li>• Supports B+M Key or M Key Only</li> </ul>
<b>Compatible Devices (Requires Optional Adapters)</b>	<ul style="list-style-type: none"> <li>• SATA HDD/SSD, 2 types of U.2 (SFF8639) and U.3. Refer to Replacement Parts.</li> </ul>
<b>Supported Formats</b>	<ul style="list-style-type: none"> <li>• Quick Copy Function: FAT16/32/64, Windows (NTFS), Linux (Ext2/Ext3/Ext4), and Mac (HFS, HFS+, HFSX).</li> <li>• Whole Device Copy Function: All Formats, including proprietary formats.</li> <li>• GPT, MBR, and Advanced Formats.</li> </ul>
Compatibilities	Descriptions
<b>Supported O/S</b>	<ul style="list-style-type: none"> <li>• All (Windows, Mac, Linux, and other proprietary systems).</li> </ul>

## Product Specifications

Specifications	Descriptions
<b>LCD Display</b>	<ul style="list-style-type: none"> <li>• Backlit Monochrome LCD Display</li> </ul>
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• 3 LED Indicators per Port:</li> <li>• Yellow (Power), Green (Pass), and Red (Fail)</li> </ul>
<b>Control Panel</b>	<ul style="list-style-type: none"> <li>• 4 Push Buttons (▲, ▼, OK, ESC)</li> </ul>
<b>Power Requirements</b>	<ul style="list-style-type: none"> <li>• <u>Universal Power</u>: 115VAC or 230VAC, 50/60Hz</li> </ul>
<b>Operational Temperature</b>	<ul style="list-style-type: none"> <li>• 0°C ~ 60°C (32°F ~ 140°F)</li> </ul>
<b>Non-operational Temperature</b>	<ul style="list-style-type: none"> <li>• -20°C ~ 85°C (-4°F ~ 185°F)</li> </ul>
<b>Humidity</b>	<ul style="list-style-type: none"> <li>• <u>Operating</u>: 20% ~ 95%, non-condensing</li> <li>• <u>Non-operating</u>: 5% to 95%, non-condensing</li> </ul>
<b>Packaging Dimensions (LxWxH)</b>	<ul style="list-style-type: none"> <li>• <u>NV-BM600</u> - 470 mm x 400 mm x 380 mm (18.5 in. x 15.8 in. x 15 in.)</li> <li>• <u>NV-BM1100</u> – 580 mm x 450 mm x 400 mm (22.8 in. x 17.7 in. x 15.8 in.)</li> <li>• <u>NV-BM1600</u> – 640 mm x 600 mm x 400 mm (25.2 in. x 23.6 in. x 15.8 in.)</li> <li>• <u>NV-BM2100</u> – 640 mm x 600 mm x 400 mm (25.2 in. x 23.6 in. x 15.8 in.)</li> </ul>
<b>Product Weight</b>	<ul style="list-style-type: none"> <li>• <u>NV-BM600</u> – 8 kg (17.6 lbs.)</li> <li>• <u>NV-BM1100</u> – 11.17 kg (24.6 lbs.)</li> <li>• <u>NV-BM1600</u> – 18.4 kg (40.6 lbs.)</li> <li>• <u>NV-BM2100</u> – 18.77 kg (41.4 lbs.)</li> </ul>

<b>Certifications</b>	<ul style="list-style-type: none"><li>• FCC, CE, RoHS, and REACH</li></ul>
<b>MIL-STD-810H</b>	<ul style="list-style-type: none"><li>• 500.6 / 501.7 / 502.7 / 507.6</li></ul>
<b>ISO/IEC</b>	<ul style="list-style-type: none"><li>• 27037, 27041, 27042, 27043, and 27050</li></ul>

## Product Replacement Parts

<b>Part Numbers</b>	<b>Descriptions</b>
<b>TB1587</b>	<ul style="list-style-type: none"><li>• M.2 PCIe Socket Replacement – Compatible with PCIe and SATA Modes</li></ul>
<b>TB1589</b>	<ul style="list-style-type: none"><li>• U.2 (NVMe Protocol) Adapter – PCIe Mode Only</li></ul>
<b>OPTIONS</b>	<ul style="list-style-type: none"><li>• Please call us for specific cabling, adapter, and interface requirements.</li></ul>

## More Information

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



Specifications are subject to change without notice.