Media MASSter™

NVMe M.2 Pro – Drive Duplicator

Key Features

- **Native Support for any size or capacity NVMe/PCIe M.2, 2.5" SATA, or USB 2.0/3.0 Drives**
  - **3.5" SATA support with plug-in tray adapter**

- **Duplicate / Clone from 1 to 4 NVMe M.2 or up to 5 SATA drives simultaneously**
  - **Cable-free M.2 NVMe, 2.5" SATA or USB drive installation**

- **High performance, portable with high-speed processing power**
  - **Intel NextGen Core i3 Inside**

- **Cloning/wiping rates more than 94.5 GB/minute***

- **Available in secure, forensic or I.T. Enterprise versions**

- **Multiple "Source/Suspect" and "Target/Evidence" drive ports for I.T. / Forensic products**

- **Complete stand-alone operation for highest security**

- **Optional "on-the-fly" drive image encryption per NIST AES standards**

- **Multi-session capability with Windows 10 Pro O/S**

- **User-accessible standard USB and GbE ports for networking, software updates and I/O expansion (as needed)**
  - **Industry-standard PC interconnects for easy hardware and software user expansion**

- **Session/meta data logging, audit trails and maintenance**
  - **Log files are encrypted and password protected**

- **Large 7" color touch screen, menu-driven user interface**

- **Fully self-contained, no external user interface devices needed**

- **Large anti-static pad staging area for multiple drives and sessions**

- **Multiple hash code verification modes**

* Data duplication/cloning transfer rates are device and interface dependent.

The new Media MASSter™ NVMe M.2 Pro is the latest member of the JMR/ICS Media MASSter Family of disk drive cloner/duplicators. There is no other M.2 and SATA drive duplicator on the market with the full features of a powerful PC running non-proprietary operating system software, plus the power, expandability and flexibility like this to program M.2's _and_ SATA drives. The new MM NVMe M.2 Pro offers high speed wiping and duplication support for PCIe-based NVMe M.2 SSD Modules – regardless of the drive size, capacity or formats, and/or 2.5 or 3.5" SATA drives - with speeds exceeding 94.5 GB/min. The unit supports the connection of up to four (4) PCIe M.2 Drives, up to 5 SATA drives with optional USB 2.0/3.0 SSD support.

Based on the very latest, industry-standard Multi-core Corei7 Intel-based PC technology, the true power, flexibility and user-expansion capability of the Media MASSter NVMe M.2 Pro can be realized. Multiple, standard USB, Video/Graphics, and Audio I/O ports and multiple I/O expansion ports are user-accessible and brings the true power, flexibility and capabilities of this disk drive duplication/cloning system. The MM NVMe M.2 Pro is ideally suited for the highly secure, Forensic service or multiple drive duplication and cloning needed by IT/Enterprise users.
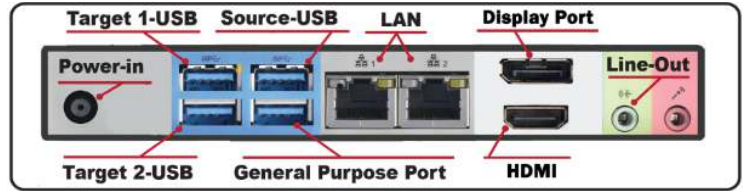

Available in either I.T. and Forensic versions, the new Media MASSter NVMe M.2 Pro drive duplicator and cloning system is a portable, economical, high speed, data acquisition system optimized for field use without sacrificing performance and versatility. The MM NVMe M.2 Pro offers a high-end, multi-core Intel Corei7 processor and advanced high-speed drive controller technology, providing the highest performance for either the higher volume IT duplication/cloning users, or Forensics.

For totally secure, Forensic duplication and cloning of "suspect" drive operations, all suspect source drives are permanently write-protected to prevent altering the drive data. Write-protect properties of the suspect drive cannot be changed, altered or disabled.

The unit can acquire data from one source, cloning to three (3) target drives at speeds over 61.3 GB/min. Using the unit's built-in USB 2.0/3.0 ports, USB drives can also be connected. In addition, the Media MASSter NVMe M.2 offers a unique, internal 4-lane PCIe bus and native M.2 module ports allowing it to acquire data from an NVMe M.2 storage device to another NVMe M.2 device at speeds of over 94 GB/min.

The MM NVMe M.2 Pro system key features include cable-free M.2 and 2.5" SATA source/suspect and target/evidence ports. The MM NVMe M.2 Pro units are designed with a user-friendly, slide in/out drive trays for easy drive insertion or removal

MM NVME M.2 Pro I/O panel

This new system can acquire the Source drive's data as a "mirror" or an Intelligent Acquisition which copies only allocated files, greatly reducing copy time while automatically scaling and formatting partitions. The MM NVMe M.2 Pro units are designed with a user-friendly slide out drive ports for easy drive insertion or removal. This latest addition to the Media MASSter family is also configured with a 1Gbit Ethernet port for network connectivity.

With built-in Hard Drive Encryption technology, target drive's data can be Secured utilizing the NIST approved AES-256 Encryption standard. All units feature a native 1 Gb Ethernet connection to upload or download drive images to a Network Storage Area.

Data logging provides reports that are exported as .pdf files which may be transferred to a USB drive or network drive or printed if desired.

Multiple Modes of Operation include:

- Intelligent "IQ Copy" copies only allocated files, greatly reducing copy time and automatically scales and formats partitions.

- Percent of Copy copies a Source drive's allocated data and unallocated data, creating a "mirror" image of the Source drive

- MultiMASSter: Supports storing one or multiple Source drive images on a single 'Target" drive using the Segmented File Format.

- VHD Capture: Supports storing one or multiple Source drive images on a single "Target" drive using the VHD File Format. The format copies only allocated data.

- Wipe Out: Sanitize drives utilizing the DoD Standard, Secure Erase or User Defined Methods.*

* Statement of volatility; no cloned data is stored or contained within the unit when powered off.

Additional Features:

- Multiple Hash Verification Methods: The Media MASSter™ NVMe M.2 supports SHA-1 and SHA-2 Hash Acceleration and Software based MD5 Hashing.

- External Storage where images can be stored externally to a shared network folder or USB drives.

- "On the fly" drive image encryption utilizes the built-in AES 256 encryption technology. The Media MASSter™ NVMe M.2 will safeguard sensitive information with minimal speed degradation of all digital data during the disk duplication/cloning process.

- LinkMASSter Option: The LinkMASSter option allows the IT investigator to acquire data from unopened computers using the Ethernet interface.

- Preview Source Data: Preview source drive's data utilizing third-party software applications or using the unit's built-in O/S utilities. The unit's preview capability allows previewing Word, Excel, PDF, text or multimedia (pictures, video and audio) files prior to acquiring data.

- Logs and Auditing: The MM NVMe M.2 will create and locally store pdf print files with detailed operational event log files and audit trail information. The log files and audit trail data are saved in a PDF format using 128-bit password encryption protection.

- Convenient and Easy Upgrades: The MM NVMe M.2 internal software is easily updated through the USB port. Free software download updates are provided periodically.

- High Resolution 7" Full Color Touch screen: The built-in, menu-driven touch screen eliminates the need of connecting an external monitor, mouse or keyboard, although these user-interface devices can be added as needed with Plug-n-Play connectivity facilitated through the Windows 10 Pro operating system.

- No need for a false "Dual-boot" function since optional, user-added Forensic analysis software runs natively under Windows 10. Just load it, click it, run it, because all JMR/ICS Media MASSter products are a fully functional, stand-alone PC as well…

Technical Specifications	
Power Adapter Input Voltage	100 to 240VAC, 50/60 Hz, 2.5A (max)
Power Adapter Capacity	19.5VDC, 180W
Unit Dimensions	14.5" x 12" x 7" (L x W x H) (368mm x 305mm x 178mm)
Unit Net Weight	4.5 lbs (2 kg)
Shipping Weight	~8 lbs (3.6 kg)
Relative Humidity	20 to 60%, non-condensing
Warranty	One-year parts and labor with optionally available extensions of one or two additional years, optioned at time of order.

JMR/ICS Media MASSter NVMe M.2 Pro Ordering Information	
Description	Model Number
IT	F.GR-0160-400
Forensic	F.GR-0160-410
USB to SATA Drive Adapter	CBM-00323

Call 818-993-4801 or email: ussales@jmr.com

For a quote today!