



Media MASter™

NVMe M.2 – Drive Duplicator



Key Features

- Native support for any size or capacity M.2 NVMe/PCIe or USB 2.0/3.0 Drives
- Duplicate / Clone from 1 to 4 drives simultaneously
 - Cable-free M.2 NVMe Drive Installation
- High performance, portable with high-speed processing power
 - Intel NextGen multicore processor inside
- Cloning/wiping rates of more than 94.5 GB/minute*
- Available in Forensic or I.T. Enterprise versions
- Multiple “Suspect/Source” and “Evidence/Target” drive ports for Forensic / I.T. products
- Fully self-contained, rugged and complete for portable stand-alone field operations for highest security
- Optional “on-the-fly” drive image encryption per NIST AES standards
- Multitasking 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
- Event logs and Audit Trails
 - For added security the Audit Trail password is encrypted for added protection
- 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 MASter™ NVMe M.2 is the latest member of the JMR/ICS Media MASter Family of disk drive cloner/duplicators. Designed with native support for M.2 Drives and full featured with a powerful PC running a non-proprietary operating system, the Media MASter NVMe M.2 offers the expandability and flexibility for demanding duplication needs. The New MM NVMe M.2 offers high speed wiping and duplication support for PCIe-based NVMe M.2 SSD Modules – regardless of the drive size, capacity or formats - with speeds exceeding 94.5 GB/min. The unit supports the connection of up to four (4) PCIe M.2 Drives, with optional USB 2.0/3.0 SSD support.

By utilizing the very latest, industry-standard PC technologies, the true power, flexibility and user-expansion capabilities of the Media MASter NVMe M.2 can be realized. Multiple, standard USB, Video/Graphics, and Audio I/O ports and multiple I/O expansion bays are user-accessible and brings the true power, flexibility and capabilities of this disk drive duplication system, ideally suited for the highly secure Forensic applications or multiple drive duplication and cloning needed by IT/Enterprise users.



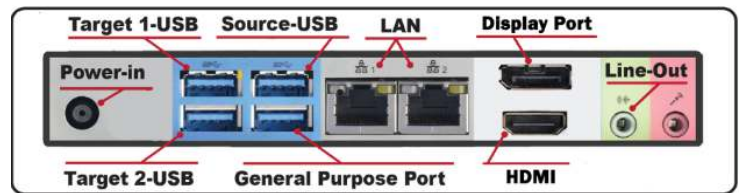
Available in either Forensic and I.T. versions, the new Media MASter duplication system is an economical, high speed, NVMe M.2 field-portable data acquisition system -- without sacrificing performance and versatility. The MM NVMe M.2 offers a high-end, multi-core Intel Core processor with advanced high-speed FPGA controller technology, providing superior performance for either higher volume IT duplication/cloning or Forensics acquisition.

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

The unit can acquire data from one M.2 Source "S" drive to three (3) Target "T" drives at speeds over 61 GB/min. Using the unit's built-in USB 2.0/3.0 ports, USB drives are also supported. The Media MASter NVMe M.2 unique four (4) port M2 drive bay and 4-lane PCIe bus allows the unit to acquire data from an NVMe M.2 storage device and copy to another NVMe M.2 device at speeds exceeding 94GB/min.

An optional USB-to-SATA drive adapter is available to support 2.5" SATA drive duplication if needed.

The MM NVMe M.2 system key features include cable-free M.2 source and target ports. Insertion and extraction of NVMe M.2 SSDs are simple and easy using JMR's individual port slide trays.



Media MASter NVMe M.2 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 units are designed with user-friendly slide-in and securable drive ports for easy drive insertion or removal. This latest addition to the Media MASter 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, network-attached 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
- MultiMASter: 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 5220.22-M(ECE) 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 MASter™ 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 MASter™ NVMe M.2 will safeguard sensitive information with minimal speed degradation of all digital data during the disk duplication/cloning process.
- LinkMASter Option: The LinkMASter 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 Pro. Just load it, click it, run it, because all JMR/ICS Media MASter products are a fully functional, stand-alone PC’s 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	13.75" x 10.5" x 5" (L x W x H) (350mm x 267mm x 127mm)
Unit Net Weight	3.5 lbs (1.6 kg)
Shipping Weight	6 lbs (2.7 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 MASter NVMe M.2 Ordering Information	
Description	Model Number
IT	F.GR-0160-300
Forensic	F.GR-0160-310
USB to SATA Drive Adapter	CBM-00323



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

For a quote today!

