



SuperImager® Plus Line of products Summary

Those are important features that are common to all products:

Dual Open OS (Ubuntu/Win10/11)

The Ubuntu OS:



- The SuperImager® Main Ports and Application:

- The SuperImager® application:

It designed with easy-to-use touchscreen icons, is intuitive, needs minimum training, and is genuinely optimized for multi-session operations. The operation can be forensic imaging, forensic restore image, HASH authentication, evidence drive erase, and diagnostics. There is no limitation on the number of sessions; a forensic investigator can run as many sessions as many storage devices are attached to the unit. Furthermore, the user can select each session with a different operation.

- The Unit's Ports:

- The SuperImager® unit has a few sources (Suspect) hardcoded ports and a few target (Evidence) ports. The role of a target port can be re-assigned as a source

port as needed, making the units very flexible in running multi-session operations.

- **The Forensic Imaging Copy Modes:**

It includes Mirror Image (bit by bit) with the ability to select to image the whole drive or one partition (if it is mountable), Linux- DD format, EnCase E01/EX01 format, Mix DD/E01 format, AFF4 format, and Selective Triage Imaging of files and folders(Also for logical extraction from iPhones and Android cellphones).

- **During a Forensic Imaging run, the user can select to include the following:**

- Encryption with AES256 algorithm.
- Run Keyword Search on text and image.
- Calculate 4 HASH values simultaneously of the source drive with HASH verification (Simultaneously SHA1, SHA2, MD5, SHA512).
- For E01/Ex01 format: The user also can select to compress the target and adjust the number of CPU threads/cores to achieve an optimal balance between speed and saved space.

- **Encrypted drives:**

- Supports for accessing drives that are encrypted by BitLocker or SED drives. (That is, as long as the user knows the passcode or the passcode file).

- **HASH Authentication:**

- A HASH value can be calculated as separate operations for authentication needs.

- **Preview the Data:**

- Safely mount the “Suspect drive” and use Ubuntu free tools to view the data

- **Virtual Emulator:**
 - Run Virtual Emulator on a Suspect drive that has Windows OS, view the Suspect drive in its natural environment, and immediately capture important files (A Quick Triage)
- **Network:**
 - Capture data from a network or save images to a network using iSCSI source and target storage protocols. Include capturing individual files and having a HASH value and meta data for each file.
 - Capture files from the cloud with the use of paid services
- **The Unit as Write Blocker:**
 - Any attached storage devices to the unit will be Writes-Protected when accessed via a network (It saves the need to use write-blocker bridges that are bandwidth “bottleneck”)
- **Remote Capture:**
 - Capture the image of an unopened Suspect laptop via a network or direct connection to the unit. It supports laptops with an Intel-based CPU with a network or USB port.
 - Capture data from Mac laptops: Mac with T1/T2 chip –Image the whole drive via 1394, for Mac with M1/M2 CPU chip- captures the drive or files and folder in a triage mode using a 1-5Gigabit to USB/USBc adapter.
 - Selective Capture of files and folders from iPhone and Android (Logical)
- **“Evidence”/Target Drive Erase:**

- Erase Evidence drive (Erase the Evidence drives prior of use by using many drives erase protocols)
- **Drive Diagnostics:**
 - Run drive diagnostics on a Suspect drive to determent its “health” condition
- Automation with scrip, additional functions on the drive level and more

The Windows 10/11 side:

Purpose/Usage:

The “Suspect” data is already being captured, and the unit’s hardware is super performing (it uses the latest desktop CPU, which is much better than using mobile CPU used in laptops). So now, the forensic investigator can complete their investigation in the field by running full data analysis.

The Windows 10/11 OS is an open OS. Therefore, the user can install and run many applications such as Encase, Nuix, Axiom for data analysis, Cellebrite/MSASB/MobilEdit/Oxygen for multiple cellphone data extractions, Triage application, Preview, and more.

A safe Drive’ Power and Mounting Utility:

MediaClone Power Port utility that allows the user to power up or safely removes attached storage devices in a read-only or read/write mode, which makes it safe and easy to use

Portable Units:

SuperImager Plus 7” Mini – Portable, Low Cost & Compact

The unit is very compact, and it uses a mobile CPU with limited processing power and has built-in 3 SATA ports (not SAS) and 4 USB ports.

SuperImager® Plus 8" T3 4 SAS/SATA ports: The unit has 4 SAS/SATA ports natively; Thunderbolt 3.0 port for Expansion to supports other interfaces, and also can use for 10GbE network. The NVMe support is limited to one M.2/U.2 port on the TB Expansion Box and additional pots can be use with TB to NVMe external adapters.

(The advantage of this unit is the built-in of 4 SAS ports when SAS imaging is essential and that without the use of the Expansion Box)

SuperImager® Plus 8" 3 NVMe + 7 SAS/SATA ports: The unit has 2 Native NVMe U.2/M.2+ 2 SATA ports (not SAS) + eSATA ports. It also has a TB 3.0/4.0 port that can be used for 10GbE, or with the supplied TB 3.0 Expansion Box with additional NVMe U.2/M.2 ports and 4 SAS ports. In total, it supports 3 NVMe, 4 SAS, or 7 SATA drives.

(The advantage of this unit is the built-in 2 U.2/M.2 NVMe ports and the ability to use the unit to image form NVMe to SATA and vice versa without the need for a TB3.0 expansion box)

SuperImager® Plus 8" 4 NVMe ports: The unit has 4 Native NVMe U.2/M.2 + 2 eSATA ports. Also, it has a TB 3.0 port that can be used for 10GbE, or with the supplied TB 3.0 Expansion Box with NVMe U.2/M.2 and 4 SAS ports. In total, it supports is 5 NVMe, 4 SAS, or 6 SATA.

(The advantage of this unit is the built-in of 4 U.2 NVMe ports and the ability to use the unit to image form 2 NVMe to 2 NVMe in 2 simultaneous sessions without the need for a TB3.0 expansion box)

All the SuperImager Plus 8" portable units have 7 USB3.0 ports (2 are assigned for 2 Suspect ports), one Thunderbolt/USBc port, and 1Gigabit/s Ethernet port.

SuperImager® Plus 12" Portable Rugged Units:

The Larger display, Rugged Case, and ease to carry it a perfect Portable Complete Forensic Lab (capture data and analyze all in one unit).

SuperImager® Plus 12" 4 SAS/SATA model: The unit has 4 SAS/SATA ports natively; Thunderbolt 3.0 port for Expansion supports other interfaces and can also be used for HDMI external display or 10GbE** network. The main use is running 2:2 SAS/SATA imaging in 2 simultaneous sessions. The NVMe support is via the optional TB Expansion Box.

The main difference between this unit and the T3 unit is the 12" display is much more suitable for running Forensic analysis. Also, the 12" unit SAS/SATA ports use cable-less sockets, and it built-in a rugged carry case, still it has fewer USB3.0 ports (4) than the T3 unit (7).

SuperImager® Plus 12" 2 NVMe + 2 SATA Forensic model:

The unit has natively 2 NVMe and 2 SATA ports; Thunderbolt 3.0 port for Expansion to support other interfaces, like SAS, can also be used for HDMI external display, or 10GbE network.

The main difference between this unit and the 12" 4 SAS/SATA Rugged unit is this unit has 2 NVMe native ports, which allow imaging from SATA to NVMe and vice versa, NVMe to NVMe and SATA to SATA. But for SAS supports, the user will need to use optional TB3.0 Expansion Box.

SuperImager® Plus 15" Rugged Complete Forensic Portable lab:

The unit is the investigator's "dream" for all-in-one unit with many types of interfaces, 10 GbE port, 15.6" large screen high resolutions display, with i7 13 generation CPU, where the investigator can complete the full forensic investigation on site.

The unit has a built-in 4 U.2 NVMe ports (with 4 U.2 to M.2 adapters), 4 SAS/SATA in sockets, many USB 3.2 ports, 2 Thunderbolt 4.0 ports, and one 10GbE.

*** Mac Acquisition /TB kit:**

Consists of 1394 to TB2.0 adapter and 1394 controller with a Thunderbolt Expansion Box. To be used with Mac with T1/T2 CPU chip, set in a target mode, and connected to the SuperImager® units via the Thunderbolt 3.0 Expansion box and TB3.0 port. Also supplied with solution to capture data from Mac with M1/M2 CPU via remote capture application.

**** For fast network connectivity, use of the 10 GbE to TB 3.0 Adapter:**

Here are a few ways to connect this 10GbE adapter:

- 1) Connect directly to the unit's TB 3.0 port.
- 2) If the unit is connected to the TB 3.0 Expansion Box, then connect the 10GbE to the second TB 3.0 port on the Expansion Box.

SuperImager® Plus Desktop units:

For High Volume Forensic Imaging and Network Uploads

For imaging mostly SAS/SATA, there are 4 models:

- 8 SAS/SATA with 1 NVMe, with the ability to add Expansion to support other interfaces
FC/1394/SCSI 1 port (imaging SAS/SATA up to 4:4)
- 16 SAS/SATA (imaging up to 8:8) with 10GbE port.
- XLE models with more ports (and 10GbE port):
24 SAS/SATA ports (imaging up to 12:12)
40 SAS/SATA ports (imaging up to 20:20)

NVMe models:

SuperImager Plus Desktop Supreme: This model is for a high volume of SAS/SATA and NVMe imaging. It supports **16 SAS/SATA** ports (Imaging 8 to 8), and **4 U.2 ports** (imaging 2 to 2) and supporting U.2 and M.2 NVMe SSD. Include 10GbE port.

SuperImager Plus Desktop Supreme-2: This model is for a high volume of SAS/SATA and NVMe imaging. It supports **12 SAS/SATA** ports (Imaging 8 to 8), **4 U.2 ports** (imaging 2 to 2) and supporting U.2 and M.2 NVMe SSD, 2 TB4.0 ports for expansion, and Include 10GbE port.

SuperImager Plus Desktop 8 NVMe ports: This model is for a high volume of NVMe imaging. It supports **8 M.2, U.2** NVMe SSD. Include 10GbE port.

SuperImager Desktop 4 Plus NVMe + 4 SAS/SATA mix ports - most popular model, ability to cross imaging from NVMe, SAS/SATA, USB. Include 10GbE port.

SuperImager® Plus XL model

A most versatile model that can be customized to support:
SAS/SATA/FC/SCSI/NVMe/1394/10GbE

SuperImager® Plus USB multi ports model

The unit aims for Forensic Imaging of multi USB or SATA SSD (those do not need external power). This model is built-in with 20 USB ports, supports AHCI flash memory drives, and 4 SATA drives.

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