



## SuperImager Plus Line of products Summary

Those are important features that are common to all products:

**Dual Open OS (Ubuntu/Win10)**

**The Ubuntu side:**



- **The SuperImager Main Application:**

The application uses touchscreen icons, and it is very easy to use, intuitive, with minimum training, and genuinely optimized for multi-session operations. The operation can be forensic imaging, forensic restore image, HASH authentication, erase, and diagnostics. There is no limitation on the number of sessions, and a forensic investigator can run as many sessions as many storage devices are attached to the unit.

Furthermore, each session can be used 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 to be source as needed, which makes the units very flexible in running multi sessions 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, VHD, and Selective Triage Imaging of files and folders.

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

- Encryption with AES256 algorithm.
- Run Keyword Search.
- Calculate 3 HASH values simultaneously of the source drive with HASH verification (Simultaneously SHA1, SHA2, MD5)
- For E01/Ex01 format: The user also can select to compress the target and adjust the numbers of CPU threads/cores to achieve an optimal balance between speed and saved space.
- **Encrypted drives:**  
Supports Drives that are encrypted by BitLocker or SED drives, as long as the user knows the passcode
- **HASH Autenticaion:**  
A HASH value can be calculated as separate operations for authentication needs
- **Virtual Emulator:**  
Run Virtual Emulator on a Suspect drive with 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

- **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 for 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. The supports for Laptops with Intel-based CPU with a network port or USB port

- **Drive Erase:**

Erase Evidence drive (Erase the Evidence drives prior of use, by using many drive erase protocols)

- **Drive Diagnostics:**

Run drive diagnostics on a Suspect drive to determent its “health” condition

## **The Windows 10 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 its investigation in the field by running full data analysis.

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

### **Save 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 Mobile CPU with limited processing power and has built-in 3 SATA ports (not SAS) and 4 USB ports.

#### **SuperImager Plus 8" Portable Units:**

##### **Very versatile connectivity to many storage interfaces**

**SuperImager Plus 8" T3:** The unit has 4 SAS/SATA ports natively; Thunderbolt 3.0 port for Expansion to supports other interfaces, also can be used for Mac acquisition, or 10GbE network. The NVMe support is limited to one M.2 port on the TB Expansion Box.

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

**SuperImager Plus 8" 3 NVMe + SAS/SATA:** The unit has 2 Native NVMe U.2 + 2 SATA ports (not SAS) + eSATA ports on the unit. Also, it has a TB 3.0 port that can be used for Mac acquisition, 10GbE, or with the supplied TB 3.0 Expansion Box with NVMe M.2 and 4 SAS ports controllers. In total, it supports is 3 NVMe, 4 SAS or 7

**(The advantage of this unit is the built-in of 2 U.2 NVMe ports and ability to use the unit to image form NVMe to SATA (one of the most usable drive) and vice versa without the need of the TB expansion box)**

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

(The advantage of this unit is the built-in of 4 U.2 NVMe ports and ability to use the unit to image from 2 NVMe to 2 NVMe in 2 simultaneous sessions without the need of the TB 3.0 Expansion box)

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

### **SuperImager Plus 12" Portable Rugged Units:**

**The Large display, Rugged Case, Easy to Carry, makes 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 to supports other interfaces, also can be used for Mac acquisition, HDMI external display, or 10GbE\*\* network. The main use is running 2:2 SAS/SATA imaging in 2 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 suitable for running Forensic analysis. Also, the 12" unit SAS/SATA ports use cable-less sockets, and it built-in a rugged carry case, but it has fewer USB3.0 ports (4) than the T3 unit (7).**

### **SuperImager Plus 12" 2 NVMe + 2 SATA model:**

The unit has 2 NVMe and 2 SATA ports natively; Thunderbolt 3.0 port for Expansion to supports other interfaces, like SAS, also can be used for Mac acquisition\*, 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 allows 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 of TB Expansion Box.**

**\* Mac Acquisition /TB kit:**

Consist of cable and adapters to connect to the unit's TB3.0 port:  
TB 3.0 to TB 2.0 adapter, TB 3.0 extension cable, TB 2.0 to 1394 adapter.

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

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 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**

**SAS/SATA 4 models:**

8 SAS/SATA – with ability to add Expansion to supports other interfaces FC/1394/SCSI/NVMe  
16 SAS/SATA

**XLE models with more ports:**

24 SAS/SATA  
40 SAS/SATA

**NVMe models:**

**SuperImager Plus 8 NVMe ports:** For high volume of NVMe imaging. It supports M.2, U.2  
NVMe SSD

**SuperImager 4 Plus NVMe + 4 SAS/SATA mix ports** - most popular unit, ability to cross imaging  
from NVMe, SAS/SATA, USB

**SuperImager Plus XL model**

A most versatile unit that can be customized to supports:

SAS/SATA/FC/SCSI/NVMe/1394/10Gbe

**USB multi ports model**

The unit is aiming for Forensic Imaging of multi USB or SATA SSD (those do not need external power).

The unit built-in with: 20 USB ports support AHCI flash memory drives and 4 SATA ports

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