MediaClone

SuperImager™-Rugged – USB 3.0 – 12.1" Display – Touch Screen – SAS Drive Slots

A Computer Forensic- Field Analysis Platform Unit

(SIR-0024)

The SuperImager™ Rugged USB 3.0 unit is a high speed potable, computer forensic data acquisition platform and a field analysis system, featuring four 6Gb/s SAS/SATA interface ports and four USB 3.0 ports. The unit supports multi-source to multi-target simultaneous operation.

In one pass over the Suspect hard disk drive:

Forensic Imaging EX01 with 3% degradation, HASH 3 value (MD5, SHA-1, SHA-2), Encrypt the Suspect data with AES 256, do a Binary Key Word Search, Save the Forensic Image to 3 loaction at the same time HARD drive + External TB + Network

Features:

- Mobile, rugged and fast.
- 12 inch 1366x768 LED backlight color LCD display with touch screen.
- GUI with large icons and easy navigation.
- Built-in 4 Drive Slots.
- Low level Writes-Blocking mechanism.
- On-the-fly MD5/SHA-1/SHA-2 hashing.
- On-the-fly AES256 encryption.
- On the fly keyword binary search on "Suspect" (not Unicode match).
- Supported capture modes:
  - 100% bit by bit
  - Linux DD format
  - Encase E01 and Ex01 formats including compression (With a very little speed degradation).
- Forensic Images can be saved to a network shared folder for easy access and analysis.
- Capture Data from network folder via iSCSi protocols.
- The unit come with a built-in Wi-Fi and can be used to remote access and control the unit (Via iPad or Cell phones)

- The Unit comes with a built-in Bluetooth for use with Bluetooth devices, like the supplied Keyboard and Touch Pad combo.
- Capture from SAS, SATA and e-SATA enclosures, IDE, USB 2.0, USB 3.0, and SCSI* drives.
- Capture from various form factor devices**:
  - 3.5 inch drives
  - 2.5 inch drives
  - ZIF drives (Purchase of additional adapter is needed)
  - 1.8" IDE drives (Purchase of additional adapter is needed)
  - Micro SATA drives
  - Mini SATA SSD drives
- Browse and preview captured data on the internal LCD by mounting the drive under Windows and use Explorer or any other third-party view applications.
- Windows Embedded Standard 7 platform allows running other applications including cell phone acquisition software in parallel with a capture operation and other Forensic analyses application, like Encase, and FTK.
- Cross copy data between SAS/SATA/IDE and USB interfaces.
- Capture data from laptop computers via USB or Gigabit Ethernet ports without the need of disassembly.
- Forensic Imaging 1:1 1:2 2:2 simultaneously.
- Erase hard drives following the DOD 5220-22M security erase specification or define your own pattern and numbers of iterations.
- Format hard drives.
- Multi session operation at the same time: Forensic Imaging, HASH only, Drive ERASE all depend on the ports availability.

* With optional USB (2.0)-to-SCSI adapter – Slow, but works
** some of the devices are required an optional adapters

Hardware specifications:

- CPU: 4th Generation, Quad core CPU 3.8GHZ
- RAM: 8GB DDR3 internal memory with optional upgrade to 16GB.
- Storage: 128GB SSD SATA HDD.
- Interface: PCI Express 2.0 SAS/SATA controller supporting 6Gbit/s SAS/SATA interface speeds with maximum data rate of 37GB/min.

Source/Target ports:

- Four SAS/SATA power and data combo ports (two "Suspect" and two "Evidence").
- Two USB 3.0 ports (for "Suspect2" and for "Evidence2").
- Two USB 3.0 ports (for "Suspect1" and for "Evidence1").

Top panel add on ports:

- One Gigabit Ethernet port for network connectivity and remote data acquisition from un-open PC or laptop.

- 2 ports of Audio 3.5mm connectors to support plug in of speaker, ear phones and microphone.
- Two USB 2.0 ports for generic use, like Codemeter dongle, or USB to VGA adapters.
- One e-SATA 6Gbit/s port for external storage (hot pluggable), for DVD.

Power characteristics:

- Supplied universal auto switching 250W UL/CE/PSE approved internal power supply.
- Input voltage: 100-240V/50-60Hz.
- Power consumption excluding external drives: 77W

Operating environment:

- 5°C - 55°C (40°F-130°F), relative humidity: 20-60% non-condensing.

Mechanical characteristics:

- SE-520 hard case with internal metal chassis.
- Unit Net Weight: 20.00 lbs.
- Overall Dimensions: 15.00L" x 12.13W" x 6.90"D

Included items:

- One SATA to 40-pin IDE adapter.
- One 2.5" IDE 44-pin adapter.
- One Micro SATA adapter.
- One Mini SATA adapter.
- One Bluetooth Keyboard and Touch Pad combo.
- Four 29pin SAS/SATA data and power combo cables.
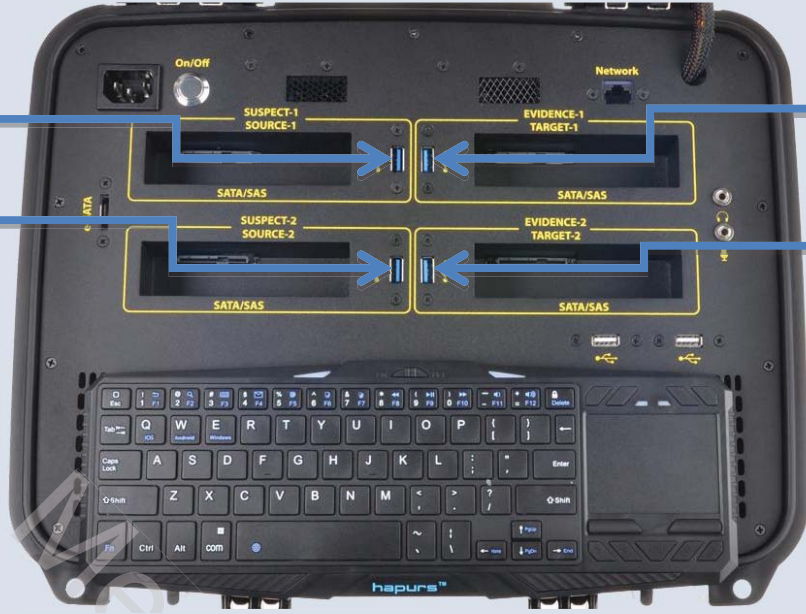
Options:

- Remote capture kit via USB port or 1Gigabit Ethernet ports.
- Miniature USB Keyboard
- Ergo USB Touchpad
- ZIF to SATA adapter
- SATA to 1.8" IDE
- SATA to USB 3.0 Adapter (user can transform every USB 3.0 port into SATA port as long as user power the hard drives with external power).
- RAID TB encrypted storage.
- 2 Bay SATA expansion bay (USB 3.0)
- more

The unit equipped with a 12" Touch Screen, and also supplied with a Bluetooth Keyboard and Touch Pad combo. In order to operate the unit, the user must pair the Bluetooth with the O/S of the unit.

If the user needs to access the BIOS, he will need to plug a USB keyboard. (Bluetooth Keyboard is operates after Windows POST).

"Suspect" USB3.0 Ports

Evidence USB3.0 Ports