

uFRED

Micro Forensic Recovery of Evidence Device

Features:

- Integrated Ultrabay
- Intel Core i5 Quad Processor
- Removable Drive Tray
- Hot Swap Removable Evidence Drive
- Suse Linux Professional – pre-configured



The μ FRED system has much of the processing power of a full size FRED system but in a package only a fraction of the size (9in x 8in x 13in). μ FRED systems utilize an ultra-compact i5 motherboard and include a full 8 GB of DDR3-1333 memory. This system includes the very best features of the standard FRED system but in a much smaller package. All uFRED systems include the UltraBay and a removable drive tray so there is no need to open up the processing system to install drives or crawl around the back of the unit to attach devices. This compact package provides processing and acquisition capabilities far in excess of any laptop or generic "shoebox" computer system!

The Digital Intelligence UltraBay is included in the uFRED and can be used to acquire a forensically sound image of IDE, SATA, SCSI, USB, drives using your choice of Forensic Imaging software. Your IDE, SATA, SCSI, USB, drives may be connected and removed from the UltraBay without having to shut down the workstation.

The uFRED includes one internal hard drive to support the Operating Systems and Application Software. It also includes a second hard drive in a shock-mounted Hot Swap bay to be used for the storage and processing of case work and digital evidence. The evidence drive in the Hot Swap bay can be inserted, removed, or replaced without powering down the system. An external high-speed FireWire 800 (1394b) port is also available for the connection of additional equipment such as the UltraBlock USB write blocker. The uFRED comes pre-installed with a Dual-Boot Operating System (Win98 DOS, and Windows 7 Ultimate 64-bit) on the Primary Drive. Additionally, a fully-loaded, pre-configured Suse Linux installation image is also included on DVD for installation if desired., a fully-loaded, pre-configured Suse Linux installation image is also included on DVD for installation if desired.

The uFRED systems have an integrated Gigabit Ethernet (10/100/1000 Mb) for network connectivity. This can be used for connection to laboratory forensic network such as our FREDC or also for connection in the field to a suspect or target network for data acquisition.

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Technical Data on uFRED:-

- 8" high, 9" wide 13" deep – 16lbs
- Micro-FRED Chassis with 220 watt ATX power supply
- LGA 1156 Mini ITX WiFi Intel Motherboard with Intel H55 Express Chipset & Intel QuickPath Technology
- Intel Core i5 661 Dual-Core Processor 3.33GHz, LGA1156, 4MB cache, 2.5GT/s (Upgradeable on Request)
- 8GB DDR3-1333 Dual Channel Memory
- Intel Integrated HD Ready Graphics Controller w/Dual Monitor Output – 1 DVI, 1 HDMI
- Dual 10/100/1000 Mbs Gigabit Ethernet Network Adaptor
- High Definition Audio Controller
- Digital Optical S/PDIF Audio Output
- 6 Port, 3.0 Gb/s Serial ATA (SATA) Controller
- 1 Port - eSATA – Back Mounted
- 9 USB 2.0/1.x Ports – 6 Back Mounted, 3 Front Mounted (1 Write Blocked)
- 3 USB 3.0 Ports – 3 Back Mounted
- 1 FireWire IEEE 1394b (800MB/s) Port – Back Mounted
- Digital Intelligence UltraBay Hardware Write-Blocker:
 - Integrated IDE Drive Write Blocker
 - Integrated SATA Drive Write Blocker
 - Integrated SCSI Drive Write Blocker
 - Integrated USB Drive Write Blocker
- 1 x 300 Gb 10,000 RPM 3.0 Gb/s SATA Hard Drive in Shock-Mounted Tray – OS Drive
- 1 x 1.5 Tb 7200 RPM 3.0 Gb/s SATA Hard Drive in Shock-Mounted Tray – Data Drive

Software

- Microsoft Windows 98SE Standalone DOS (pre-installed & configured)
- Microsoft Windows 7 Ultimate 64 Bit (Pre-Installed & Configured)
- Suse Linux Professional (pre-configured)
- Norton Ghost
- DriveSpy, Image, PDWipe, PDBlock, PART

Other Products:-

- Forensic Tools
- Hard Disk Duplicators
- Floppy Disk Copiers
- CD Duplicators
- CD Printers

Media Duplication Services For:-

- Floppy Disk
- CD
- DVD
- Tape
- Blank Media Supply
- Standard or Customised Packaging
- Fulfilment Service