

FRED

The Complete Forensic Hardware Solution

Features:

- Ultra Bay II Integrated/internal system solution
- Integrated Forensic Media Card Readers
- Custom Front Panel Connections
- Removable Drive Trays
- 2 High Capacity Hard Drives
- Ventilated Imaging Shelf



FRED systems come with two high capacity hard drives. One of these drives is used for your Operating System(s), forensic acquisition, processing tools and the other drive as a work drive for restoring and processing digital evidence. FRED comes pre-installed with a Dual-Boot Operating System (Win98 DOS, and Windows 7) on the Primary Drive. Additionally, a fully-loaded, pre-configured Suse Linux installation image is also included on DVD for installation if desired. Both hard drives are supplied in shock-mounted removable drive trays. FRED Systems also come with integrated hot-swappable IDE and SATA bays to enable rapid installation and removal of evidence storage drives without the need for rebooting the system.

FRED is the **Forensic Recovery of Evidence Device**. The FRED family of forensic workstations are highly integrated, flexible and modular forensic platforms and now includes Digital Intelligence exclusive UltraBay II Write Protected Imaging Bay.

The Digital Intelligence UltraBay II can be used to acquire a forensically sound image of IDE, SATA, SCSI, FW & USB drives. Drives may be connected and removed from the UltraBay II without having to shut down the workstation or leaving the GUI.

FRED systems are optimised for laboratory acquisition and analysis. Simply remove the hard drive(s) from the suspect system and plug them into FRED and acquire the digital evidence.

FRED will acquire data directly from IDE/EIDE/ATA/SATA/ATPI/SCSI I/SCSI II/SCSI III hard drives and storage devices and save forensic images to DVD, CD or hard drives.

FRED systems also acquire data from floppies, CD-ROM, DVD-ROM, Compact Flash, Micro Drives, Smart Media, Memory Stick, Memory Stick Pro, xD Cards, Secure Digital Media and Multimedia Cards. Furthermore, with the optional tape drive FRED is capable of archiving to or acquiring evidence from DLT-V4 tapes. FRED also has various internal RAID options. All FRED systems include the Ultrabay II, custom front panel connections, and removable drive trays 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.

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Technical Data on FRED:-

- 23¾ " High, 8 3/8 " Wide, 25¼ " Deep - 80 lbs
- ATX Aluminium Server Case: 12 x 5 1/4", 1100W Power Supply Modular
- i7 Motherboard with Intel X58 / ICH10R Chipset
- Intel i7 960 CPU (Quad Processor), 3.2 Ghz, 8M Cache, 4.80 GT/s Intel® QPI (upgradeable upon request)
- 5 x PCI-Express (x16), 1 x PCI-Express (x1)
- 12 GB DDR3-1333 Triple Channel Memory (upgradeable upon request)
- Nvidia GT430 GDDR3 PCI-Express Video Card (1GB) with 1 Display Port, 1 HDMI, & 1 DVI Port
- Dual 10/100/1000 Mbs Gigabit Ethernet Network Adaptors
- 8 Channel High Definition Audio Controller
- 7 Port Primary 3.0Gb/s Serial ATA (SATA) Controller (1 back mounted)
- 2 Ports Marvell PCIe SATA 6.0Gb/s Controller
- 6 USB 3.0/2.0 Ports (3 back mounted, 3 front mounted)
- 1 PS/2 Port (keyboard & mouse combo)
- 11 USB 2.0 - 8 back mounted, 3 Front Mounted (1 write blocked)
- 1 FireWire IEEE 1394A (400MB/s) Ports (1 back mounted)
- 3 FireWire IEEE 1394B (800MB/s) Ports 1 back mounted, 2 Front mounted (1 write blocked)
- **Digital Intelligence UltraBay Hardware Write-Blocker:**
 - Integrated IDE Drive Write Blocker
 - Integrated SATA Drive Write Blocker
 - Integrated SCSI Drive Write Blocker
 - Integrated USB Write Blocker
 - Integrated FireWire IEEE 1394B Write Blocker
- **Digital Intelligence Integrated Forensic Media Card Readers** – One switchable read-only/read-write (MSC, MS Pro, SMC, CFC, MD, SDC, and MMC Memory Card compatible)
- 1 x 300Gb 10,000 RPM 3.0Gb/s SATA Hard Drive in shock mounted tray – OS Drive
- 1 x 1.5TB 7200 RPM 3.0Gb/s SATA Hard Drive in shock mounted tray – Data Drive
- 2 x Shock Mounted Serial ATA (SATA) Removable Hard Drive Bays (IDE Capable)
- 4 x HotSwap Shock Mounted Universal (IDE/SATA compatible) Removable Hard Drive Bays
- BD-R/BD-RE/DVD+/- RW/CD+/- RW Dual Layer Combo Drive
- USB 3½" Floppy Diskette Drive with Write Protect Switch
- Extendable/Retractable Imaging Workshelf with integrated Ventilation
- Wireless Keyboard & mouse
- 22" WideScreen LCD Monitor with built-in speakers

Software

- Microsoft Windows 98SE Standalone DOS (pre-installed & configured)
- Microsoft Windows7 Ultimate 64Bit (pre-installed & configured)
- Suse Linux Professional (pre-configured)
- Norton Ghost
- DVD/CD Authoring software
- DriveSpy, Image, PDWipe, PDBlock, PART

Toolbox Containing

- **Adaptors, Terminators and cables:** All the necessary cables, adaptors and terminators to image and process internal/external SCSI drives 1.8" IDE (iPod) drives, 2.5" IDE (laptop) drives and 3.5" and 5¼" IDE drives.
- **Digital Camera:** Useful to document your suspects environment and hardware.
- **Security Screwdriver Set:** A varied assortment of popular security bits for opening computer enclosures that may have been locked down in a corporate environment

FRED Tape Option

- LTO Ultrium 4 Internal Tape Drive (800Gb Native/1.6TB Compressed)