

FRED-SR

(Dual Xeon)

The Fastest Most Powerful FRED Workstation

Features:

- Integrated Ultrabay II
- Integrated Forensic Media Card Readers
- Dual-Processor 64-Bit Xeon Motherboard
- Suse Linux Professional – pre-configured
- Two Independent CPU-Dedicated Memory Banks
- Increased Memory Bandwidth



FRED SR (Dual Xeon) is the highest performance member of the FRED family of forensic workstations.

FRED SR has all the functional capabilities of a FRED System with the addition of components optimised for the absolute highest level of processor, memory and I/O performance.

Dual Processor system implementations have traditionally been “server centric” with: outdated chipsets, poor memory bandwidth, poor I/O bandwidth, and limited support for integrated peripherals.

Digital Intelligence has designed the first Dual Processor system with all the prerequisite performance, flexibility and reliability required of a Forensic Recovery of Evidence Device (FRED).

This system is built on a dual-processor 64Bit Xeon Motherboard, with outstanding flexibility, integrated peripheral support and performance far beyond anything previously seen in a Forensic Workstation.

The Digital Intelligence UltraBay II can be used to acquire a forensically sound image of IDE, SATA, SCSI, FW & USB drives using your choice of Forensic Imaging software.

The UltraBay II is exclusively available with Digital Intelligence FRED Systems and is not available separately or from any other source.



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Technical Data on FRED SR:-

The fastest, most powerful FRED Workstation:

- **ATX Double-Wide Black Server Case:** 23 x 5¼" Bays, 1100W Modular Power Supply, 10 Cooling Fans
- **23 1/2" High (25 1/2" w/Wheels), 16 1/8" Wide, 28" Deep - 140 lbs**
- **Dual Intel Xeon Motherboard** (2xLGA1366 sockets supporting 32 and 45nm Intel Xeon 5500/5600 series Quad Core & Hex Core CPU's). Intel 5520 Chipset IOH & ICH10R I/O Controller
- **Two Intel Xeon 5620 (2.40Ghz, 12MB) Quad-Core CPU's (8 Processors Total)**
- **12GB Dual Channel 128Bit DDR3-1333 Registered ECC Memory** (upgradeable to 144GB)
- **Dual 10/100/1000 Mbs Gigabit Ethernet Network Adaptors**
- **4x PCIe16 (Gen2), 1xPCIe8, 1xPCI32 Slots**
- **5x USB 2.0 Ports** 2 Back Mounted, 3 Front Mounted (1 write blocked)
- **4 x USB 3.0 Port** – 1 Back Mounted, 3 Front Mounted
- **3 FireWire IEEE 1394b (800MB/sec) Ports** 2 front mounted (1 write blocked), 1 back mounted
- **Nvidia GT430 1GB GDDR3 PCI-Express Video Card** with 1 HDMI & 1 DVI & 1 Display Port
- **LTO Ultrium 4 Internal Tape Drive** (800GB Native/1.6TB Compressed)
- **RAID Configuration:**
 - 12 Channel PCIe SATA RAID Controller
 - 10 x Shock Mounted Serial SATA (SATA) Removable Hard Drive Bays
 - 5 x 500GB 7200RPM SATA Hard Drives (2.5TB RAID0)
 - 5 x 1.5TB 7200RPM SATA Hard Drives (7.5TB RAID0)
- **8-channel High Definition Audio Controller**
- **6 Ports (6 Drives) Primary 3.0Gb/s Serial ATA (SATA) Controller**
- **1 Serial (COM1) Port**
- **Digital Intelligence UltraBay II 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, XD, SDC, and MMC Memory Card compatible)
- **1x 300Gb 10,000RPM 3.0Gb/s SATA Hard Drive in Shock-Mounted Tray – OS Drive**
- **1x 1.5TB 7200RPM 3.0Gb/s SATA Hard Drive in Shock Mounted Tray – Data Drive**
- **2x Shock Mounted Serial ATA (SATA) Removable Hard Drive Bay** (IDE Capable)
- **4x HotSwap Shock Mounted Universal Removable Hard Drive Bays** (IDE /SATAcapable)
- **1x RJ-45 Port for iKVM** (Requires ASMB4 Card)
- **2x PS/2 ports** (keyboard & mouse)
- **BD-R/BD-RE/DVD+/- RW/CD+/- RW Blu-Ray Burner Dual Layer Combo Drive**
- **USB 3½" Floppy Drive with Write Protect Switch**
- **Extendable/Retractable Imaging Workshelf** with Integrated Ventilation
- **Wireless Keyboard & mouse** - **22" LCD Monitor** with built-in speakers

Software

- **Microsoft Windows 98SE Standalone DOS** (pre-installed & configured)
- **Microsoft Windows 7 Ultimate 64 Bit** (Pre-Installed & Configured)
- **Norton Ghost**
- **DriveSpy, Image, PDWipe, PDBlock, PART**
- **Suse Linux Professional** (pre-configured)
- **Nero DVD/CD Authoring software**
- **Microsoft Windows XP Pro** (Via Downgrade Rights)

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

Other Products:-

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

Media Duplication Services For:-

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