



DI FREDDIE™ showing display and keyboard

## Our Mission

At Digital Intelligence, we combine the knowledge gained from years of providing digital forensics and eDiscovery services with a deep understanding of digital technology to build and deliver solutions that *Give Voice to Digital Evidence™*.



FREDDIE™ showing drive trays and UltraBay 4

# FREDDIE™

## FORENSIC RECOVERY OF EVIDENCE DEVICE DIMINUTIVE INTERROGATION EQUIPMENT

### Field Ready Acquisition and Analysis

FREDDIE is the portable, field-ready version of the FRED™ workstation. This powerful, rugged, and flexible forensic system was built to perform as a field ready acquisition and analysis system. While smaller in form factor than our base FRED, this system has the power when you need it. Built with quality components common to FRED systems such as the baseline FRED motherboard, Intel® i7 core CPU, removable custom DI forensic drive trays, and the UltraBay 4™, FREDDIE is ready for any forensic challenge.

### DI UltraBay 4™ Hardware Write Blocking

FREDDIE is designed for use on site at electronic crime scenes. Remove the hard drive(s) from the suspect system and plug them into FREDDIE to acquire the electronic evidence. Using modern forensic imaging software, the UltraBay 4 acquires forensically sound images of IDE, SATA, SAS, PCIe (server class, PCIe M.2, and MacBook® mid 2013-2016) drives as well as USB 3.0/2.0/1.1 and FireWire storage devices. Storage devices may be connected, imaged, and removed from the UltraBay 4 without powering off the workstation or leaving the GUI.

### Flexible, High Performance Data Storage Options

With capacity for up to seven hard drives, FREDDIE provides the storage flexibility required by modern forensic software. Each standard FREDDIE ships with three drives: One 512 GB NVMe (operating system), one 512 GB SSD (database/cache/temp), and one 2 TB 7200 rpm (case/data). There are many drive options available to meet your storage and processing needs.

### Rigorously Tested and Optimized for Leading Software Packages

All FRED system configurations are exhaustively tested using leading forensic software packages. This methodology produces systems optimized for exceptional performance when conducting digital forensic examinations.

FEATURE	FREDDIE™ - Forensic Recovery of Evidence Device Technical Specifications
Processors	Intel® Core i7-7800X 3.5 GHz 6 Core CPU, 8 MB Cache (8, and 10 core CPU options are available)
Chipset	Intel X299
Memory	32 GB PC4-21300 DDR4 2666 MHz (64 and 128 GB options are available)
Software	Microsoft Windows® 10 Professional 64-bit, open SUSE Linux 64-bit, Symantec® Ghost, CD/DVD authoring software
Graphics	NVIDIA® GeForce™ GTX 1050Ti 4GB 128-bit GDDR5 765 CUDA cores
Hard-drive Storage	Two On-board NVMe slots: Slot 1: OS - 512 GB NVMe Slot 2: open (NVMe) HotSwap SATA Interface: Drive 1: Database/Cache/Temp - 512 GB SSD SATA III Drive 2: Open Drive 3: Open HotSwap USB 3.1 Interface: Drive 4: Case/Data - 2 TB 7200 rpm SATA III Additional drive options are available
Drive Bays	4 x 2.5" removable drive trays 1 x hot-swap USB 3.1 connected SATA, shock mounted, removable drive tray Optional IDE tray available for legacy drives
DVD/CD/Blu-ray	BD-R/BD-RE/DVD, RW/CD, RW Blu-ray burner, dual-layer combo drive
Forensic Imaging /Write Blocking	DI UltraBay 4™ forensic bridge - write blocks SATA,SAS,USB3.0/2.0/1.1, IDE, FireWire, and PCI-express SSD storage devices Supports hot-swap device connection; UltraBay write-blocking products available exclusively with DI FRED systems.
Media Card	DI Forensic Media Card Reader – user selectable read/write or read only access
Networking	Dual Intel 10/100/1000 Mbps gigabit Ethernet adapters Optional 1 and 2 port Intel 10 GbE network adapters (RJ-45 copper) available
Hard Drive Controller	4 port (6 hard drives) 3.0 Gb/s serial ATA (SATA) controller (RAID capable); 2 ports Intel 6.0 Gb/s Serial ATA (SATA) controller 1 port eSATA 150/300 SATA On-the-GO (RAID capable)
Connections & Expansion	8 USB 3.1 2 USB 3.1 type C 4 USB 2.0  1 write blocked SATA port - front access on UltraBay 4 1 write blocked SAS or SATA port - front access on UltraBay4 1 write blocked PCIe port - front access on UltraBay 4 1 write blocked USB 3.0/2.0/1.1 port - front access on UltraBay 4 1 write blocked IDE port - front access on UltraBay 4 1 write blocked FireWire 1394 A/B (400/800) port - front access on UltraBay 4
Storage Controller	8 ports Intel® 6 Gb/s SATA controller, 2 x Intel® M.2 x 4 PCIe socket
Audio	Realtek® ALC1150 8-channel high definition audio CODEC featuring Crystal Sound 2
Keyboard / Mouse	Integrated Windows keyboard w/ touchpad
Display	Integrated 17" active TFT LCD video display panel with built-in speakers
Chassis / Enclosure	ATX aluminum portable case 4 x 5.25" bays - 14 " H x 17.25" W x 10.25" D
Power	850 Watt modular power supply
Warranty and Technical Support`	Hardware warranty is 36 months from date of purchase. Extended warranty plans available. Lifetime technical support
Dimensions and Weight	14" High x 17.25" Wide x 10.25" Deep, 55 lbs
Accessory Toolbox	Adapters and cables - SATA, SAS, IDE, PCIe SSD m.2 NVMe, PCIe SSD MacBook Pro (2013 and newer) and PCIe SSD Server Class. Security screwdriver set with assorted bits for opening enclosures.