



FREDL Laptop (case included)

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™*.



UltraKit Write Blockers (case included)

FRED-L™

FORENSIC RECOVERY OF EVIDENCE DEVICE LAPTOP

High Performing Field or Lab Acquisition and Analysis

Need a powerful laptop purpose built for field or lab forensic work? Get a FRED-L. Each FRED-L comes standard with the Intel® i7-9700K 8 core processor and 16 GB of DDR4 RAM (upgradeable to 64 GB). With stepped up clocking to 3.6 GHz (4.9 GHz turbo mode), FRED-L's run modern forensic software applications with ease. With four available storage slots (OS, temp, cache, and data), FRED-L's can be optimized for modern forensic software applications. The operating system resides on a 512 GB NMVe (OS) drive, standard on all FRED-L's.

FRED-L's are built with the latest external device interfaces (Thunderbolt™, USB 3.1-C, USB 3.0, and USB 2.0), feature Intel Dual Band Wireless connectivity, and Gigabit (10/100/1000) Ethernet LAN support.

FRED-L Includes a Digital Intelligence UltraKit™

When comparing forensic laptops, consider this: Each FRED-L ships with a valuable Digital Intelligence UltraKit which includes three UltraBlock™ hardware write blockers (SATA/IDE, PCIe, and USB 3.0), the UltraBlock Forensic Media Card Reader, SSD adapters (the Digital Intelligence SATA III to m.2 and mSATA and TDA7-2 m.2 SSD) and a USB 3.0 drive enclosure with a 2 TB SATA drive for evidence acquisition. All required signal cables, power cables, and power supplies are included. FRED-L comes complete and ready to acquire forensic images of hard-drives, USB storage devices, and a wide assortment of media cards.

A Complete Portable Forensic Imaging and Acquisition Solution

FRED-L is ready for use at digital crime scenes. Simply remove the hard drive(s) from the suspect system and attach them to the appropriate (SATA / IDE, PCIe, or USB) write blocker in the UltraKit. You can then use the FRED-L system to quickly and efficiently create forensic image file(s) on the storage drive attached to any of FRED-L's external connections.

Field Tested by United States Special Force Operations

Each Digital Intelligence VPER™ Kit is equipped with a high-performance FRED-L laptop for in-field triage, acquisition, and processing needs. The DI VPER kit, originally configured exclusively for United States Special Forces, is our top of the line field kit. EnCase Forensic is available as a user-selectable option for the VPER kit. VPER kits are available for purchase by Digital Intelligence customers (military or commercial) world-wide.

FEATURE	FRED-L™ - Forensic Recovery of Evidence Device Technical Specifications
Chipset	Intel® Z370 chipset
Processor	Intel® i7-9700K 8 core, 3.6 GHz (4.9 Turbo), 12 MB Smart Cache
Memory	16 GB PC4-19200 DDR4-2400 (upgradeable to 64 GB)
Display	15.6" FHD (1920 x 1080) IPS matte display with G-SYNC technology
Graphics Card	NVIDIA® GeForce™ GTX 2060 GPU with 6GB GDDR6
Hard-drive Storage	Up to 4 drives: Slot 1 - 512 GB M.2 NVMe Operating System drive (various drive capacities available as upgrades) Slot 2 - M.2 NVMe (drive options available) Slot 3 - SATA (drive options available) Slot 4 - SATA (drive options available)
Keyboard	Full size, color illuminated, keyboard with numeric pad
Pointing Device	Integrated touch-pad with Microsoft PTP multi-gesture and scrolling function. Integrated fingerprint reader
DVD/CD/Blu-Ray	Optional external USB 3.0 Blu-ray burner available
Networking	10/100/1000 Mbps Ethernet LAN port Intel Dual Band Wireless-AC + bluetooth 4.2
Integrated Components	Card reader (MMC/RSMMC/SD/Mini-SD/SDHC/SDXC up to UHS-II) Built-in 2.0M FHD video camera Built-in array microphone 2 built in speakers
External Ports and Connectors	1 HDMI 1.4b output port with HDCP 2 mini display port 1.3 1 Thunderbolt 3 / USB 3.1 combo port, type C 1 USB 3.1 port, type C 3 USB 3.0 ports (1 powered USB port, AC/DC) 1 USB 2.0 port 1 2-in-1 audio jack (headphone/S/PDIF optical output) 1 microphone jack 1 line-in jack 1 line-out jack 1 RJ-45 LAN (10/100/1000 Mbps)
Software	Microsoft Windows 10® Professional 64-bit open SUSE Linux 64-bit Symantec® Ghost CD/DVD authoring software
Security	Kensington slot
Power System	Removable 8 cell smart lithium-ion battery pack 82Wh Full range AC-in 100-240V, 50-60Hz, 230W AC adapter, DC output 19.5V, 11.8A
FRED-L Weight and Dimensions	7.23 lbs with battery. 15.20" (w) x 10.32" (d) x 1.50" (h)
FRED-L Case	Hard-sided, cushioned, travel case with padded laptop insert
External Drive	DI external USB 3.0 hard drive enclosure for evidence acquisition
UltraBlock Write Protection Kit	Each FRED-L ships with a DI UltraKit™ containing the following: UltraBlock™ IDE/SATA (1), UltraBlock USB 3.0 (1), UltraBlock PCIe (1), one (1) Digital Intelligence Forensic Media Card Reader, two (2) UltraBlock power supplies, all required UltraBlock power and signal cables, one 2TB 7200 RPM SATA hard drive. Packaged in an airtight, watertight, custom foam-lined UltraKit travel case
Adapters Included	One (1) each of Digital Intelligence SATA III to m.2 and mSATA SSD adapter, TDA7-2 m.2 PCIe SSD adapter, and microSATA adapter.
Warranty and Support	FRED-L warranty is 36 months from date of purchase. UltraBlock warranty is 12 months from date of purchase. Extended warranty options available. Lifetime technical support.
Shipping Weight and Dimensions	1 box 23" x 18" x 18", 43 lbs.