



FRED-L 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

Triage. Image. Acquire. Analyze. Solve.

Are you in the market for portable forensic processing power? Consider the Digital Intelligence® FRED-L™. It's built to perform exceptionally well across all types of forensic work - in the field or lab.

The latest version of FRED-L includes standard features that make it well suited to any computer forensic task you can throw at it. To begin, this system is built on Intel®'s hybrid processing architecture. FRED-L's CPU is the i9-14900HX, 24 core (8 performance / 16 efficiency) with 32 threads, 36 MB of cache, and clocking up to 5.8 GHz. 64 GB of PC5-38400 DDR5 4800 MHz RAM is standard. Each system includes three (3) internal NVMe drives (500 GB/1TB/1TB) plus one external rotational drive. Other significant upgrades include an NVIDIA GeForce RTX 4090 graphics card and larger, Ultra High Definition 17.3 inch display. Second gen WiFi 6E AX211 M.2 technology maximizes speed, coverage, and reliability while reducing latency. Ample external connections are available.

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. First, connect the suspect drives using the appropriate (SATA / IDE, PCIe, or USB) write blocker provided 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.

Integral Part of the Digital Intelligence VPER™ Kit

Each Digital Intelligence VPER Kit includes a high-performance FRED-L laptop for in-field triage, acquisition, and processing needs. The VPER kit, originally configured exclusively for United States Special Forces, is our top of the line field kit.

FEATURE	FRED-L™ - Forensic Recovery of Evidence Device Technical Specifications
Chipset	Intel® HM770
Processor	Intel® i9-14900HX, 24 cores (8 performance / 16 efficiency), 32 threads up to 5.8 GHz, 36 MB Intel® Smart Cache
Memory	64 GB PC5-38400 DDR5 4800 MHz
Display	17.3" UHD (3840 x 2160), 144Hz WVA, 100% DCI-P3, G-Sync, Matte
Graphics Card	NVIDIA® GeForce™ RTX 4090 GPU with 16GB GDDR6 VRAM w/Advance Optimus
Hard Drive Storage	Three (3) internal drives: Slot 1: 500 GB M.2 NVMe Operating System drive (various drive capacities available as upgrades) Slot 2: 1 TB M.2 NVMe SSD Slot 3: 1 TB M.2 NVMe SSD 1 x 4 TB rotational hard drive
Keyboard	Full size, color-illuminated keyboard with numeric pad
Pointing Device	Integrated touchpad 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	10/100/1000/2500 Mbps Ethernet LAN port Intel Wi-Fi 6E AX211 M.2 + Bluetooth 5.3
Integrated Components	Built-in 1.0M Pixel FHD video camera Built-in array microphone High definition audio
External Ports and Connectors	1 HDMI output port (with HDCP) 1 mini-DisplayPort 1.4 output port 1 Thunderbolt 4 / USB 3.2 Gen 2 (Type C) Displayport 1 Thunderbolt 4 (Type C) 2 USB 3.2 Gen 2 Port (Type A) 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 (10/100/1000/2500 Mbps)
Software	Microsoft Windows 11® Professional 64-bit openSUSE Linux 64-bit Symantec® Ghost
Security	Kensington slot Intel® PTT (Platform Trust Technology)
Power System	Removable, 8-cell polymer battery pack 99 WH Full range AC-in 100-240V, 50-60Hz, 330W AC adapter, DC output 19.5V, 16.92A
FRED-L Dimensions and Weight	0.98" High x 15.59" Wide x 10.95" Deep, 7.25 lbs (with battery)
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, includes 2 TB hard drive
UltraBlock Write Protection Kit	Each FRED-L ships with a DI UltraKit™ containing the following: One (1) UltraBlock™ IDE/SATA, one (1) UltraBlock USB 3.0, one (1) UltraBlock PCIe, one (1) Digital Intelligence Forensic Media Card Reader, two (2) UltraBlock power supplies, all required UltraBlock power and signal cables, one (1) 2 TB 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 Dimensions and Weight	18" High x 23" Wide x 18" Deep, 48 lbs