FRED-L™

FORENSIC RECOVERY OF EVIDENCE DEVICE LAPTOP



FRED-L Laptop





FRED-L (side ports)



UltraKit v5 (case included)

Triage. Image. Acquire. Analyze. Solve.

Are you in the market for uncompromising 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® hybrid processing architecture. FRED-L's CPU is the Core™ Ultra 9 290HX Plus, with 24 cores (8 performance / 16 efficiency), 24 threads, 36 MB of cache, and clocking up to 5.5 GHz. 64 GB of PC5-44800 DDR5 5600 MHz RAM is standard. Each system includes two internal 1 TB NVMe drives, with the option to expand, plus one external 4 TB SATA hard drive. Other significant performance upgrades include a NVIDIA® GeForce™ RTX 5080 graphics card with AI-powered DDLS technology and a larger, Quad High Definition Plus 18-inch display. First gen Wi-Fi 7 BE200 M.2 technology maximizes speed, coverage, and reliability while reducing latency for wired-like responsiveness. Ample external connections are available, now including Thunderbolt™ 5.

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/mSATA, microSATA, and TA7-2 PCIe M.2 SSD adapters) and a USB 3.2 drive enclosure with a 4 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 files 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
Processor	Intel® Core™ Ultra 9 290HX Plus, 24 cores (8 performance / 16 efficiency), 24 threads, up to 5.5 GHz, 36 MB Smart Cache
Chipset	Intel HM870
Memory	64 GB PC5-44800 DDR5 5600 MHz
Display	18" QHD+ (2560x1600), 240 Hz WVA, 100% DCI-P3, G-Sync, Matte
Graphics Card	NVIDIA® GeForce™ RTX 5080 GPU with 16 GB GDDR7 VRAM with Advanced Optimus, 256-bit, 10752 CUDA cores
Hard Drive Storage	Up to four (4) internal M.2 NVMe drives, including: Slot 1: 1 TB M.2 NVMe SSD (Operating System) Slot 2: 1 TB M.2 NVMe SSD (User Defined) Extra Storage Slots: Two (2) M.2 NVMe slots Additional internal storage capacity upgrades available. External Storage: One (1) 4 TB 7200 RPM SATA hard drive (packed in UltraKit™)
Keyboard	19mm full size, color-illuminated keyboard with numeric pad
Pointing Device	Integrated touchpad with Microsoft PTP multi-gesture and scrolling function. Integrated fingerprint reader
Networking	Two (2) 10/100/1000/2500 Mbps Ethernet LAN ports Intel WI-FI 7 BE200 M.2 + Bluetooth 5.4
Integrated Components	Built-in 5.0 Megapixel Hello Camera with TNR, SecureBIO, human presence detection, and privacy shutter Built-in array microphone High definition audio Five (5) speakers
External Ports and Connectors	1 HDMI output Port (with HDCP) 1 Thunderbolt™ 5 combo Port with Power Delivery DC-in (Type-C) 1 Thunderbolt 5 (Type-C) 2 USB 3.2 Gen 2 Ports (Type-A, 1 x powered USB port, AC/DC) 1 microSD Push-Push Card reader 1 2-in-1 audio jack (headphone/microphone) 2 RJ-45 LAN (10/100/1000/2500 Mbps) Ports
Software	Microsoft Windows® 11 Professional, 64-bit Ubuntu Linux, 64-bit Symantec® Ghost
Security	Kensington lock slot Intel PTT (Platform Trust Technology) TPM 2.0
Power System	Embedded, 8-cell lithium polymer battery pack 98 WH Full range AC-in 100-240V, 50-60 Hz, 330W AC adapter, DC output 20V, 16.5A
FRED-L Dimensions and Weight	1.1" High x 15.83" Wide x 12.6 Deep, 8.6 lbs (with battery)
External Drive	DI USB 3.2 external 2.5" / 3.5" SATA hard drive enclosure for evidence acquisition, includes 4 TB SATA hard drive
UltraBlock Write Protection Kit	Each FRED-L ships with a DI UltraKit™ (v5) 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, and all required UltraBlock power and signal cables. 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, microSATA, TA7-2 PCIe M.2 SSD adapters.
Accessory Items	Restore media containing Windows 11 Pro & Linus OS images. Original OEM SW/HW installation manuals and discs
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

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