

AX-DFK-P Digital Forensic Kit Portable

Product Introduction

The AX-DFK-P (Digital Forensic Kit) is a **high-performance, all-in-one forensic workstation** designed for comprehensive on-site and lab-based investigations of digital evidence. Integrating **read-only data acquisition, disk cloning, live/offline forensics**, and **cross-platform analysis**, it supports mobile devices, computers, cameras, and storage media (HDDs, SSDs, USB drives, etc.). Equipped with advanced hardware and modular software, it meets the demands of law enforcement, corporate security, and legal professionals requiring **court-admissible results**.



Key Features

1. Read-Only Data Acquisition

- **Multi-Interface Support:**
 - **Read-Only Ports:** 1x USB 3.0/PCIe, 3x SAS/SATA.
 - **SSD Compatibility:** PCIe Card SSD, PCIe M.2 SSD, Apple Blade-Type SSD (2010–2013+ models).
 - **Form Factors:** 3.5"/2.5" SATA, mSATA, Micro-SATA.

2. High-Speed Disk Cloning

- **Blazing Speeds:**
 - **38 GB/min** via SAS/SATA interfaces.
 - **10 GB/min** via USB 3.0/PCIe.
- **Non-Invasive Mac Imaging:** Target Disk Mode via USB-C/Thunderbolt.

3. Live Forensic Analysis

- **Volatile Data Extraction:**
 - Extract physical memory, deleted files, and encryption keys with **MD5 hashing**.
 - Decrypt passwords (system, email, VPN, browsers) and recover wireless credentials.
- **App-Specific Forensics:**
 - **WeChat/QQ/DingTalk:** Extract chat logs, transaction records, and process

- memory.
- **Browsers:** Parse history, cookies, downloads from Chrome, Firefox, Safari, and 15+ others.
- **Email Clients:** Analyze Outlook, Foxmail, Lotus Notes, and cloud-based mail.
- **Network & User Activity:**
 - Reconstruct network mappings, port usage, and user behavior timelines (web browsing, file operations).

4. Computer Forensic Analysis

- **Cross-Platform Support:**
 - **File Systems:** NTFS, APFS, Ext4, HFS+, XFS, etc.
 - **Disk Images:** DD, E01, VMDK, QCOW2, and 10+ formats.
- **Advanced Tools:**
 - **Registry Analysis:** Auto-load Windows registry files; generate HTML reports.
 - **SQLite Database Viewer:** Preview, search, and decrypt encrypted databases.
 - **Hex Decoding:** 26+ templates for timestamp/string extraction.
 - **Metadata Extraction:** Office document authorship, creation/modification times.
- **Behavioral Analytics:**
 - Visualize user activity via timelines, charts, and geolocation mapping.

5. Mobile Forensic Analysis

- **Automated Extraction:**
 - Supports **10,000+ iOS/Android models**; auto-detects brands (Apple, Huawei, Samsung, etc.).
 - Cloud Data: WeChat Pay, Alipay, iCloud, Xiaomi Cloud, and 30+ apps.
- **Recovery & Decryption:**
 - Recover deleted photos, chat attachments (WeChat/QQ), and encrypted files.
 - Extract iOS Keychain entries (Wi-Fi passwords, app credentials).
- **Payment Forensics:**
 - Parse WeChat transactions (payments/refunds) with merchant IDs and timestamps.
- **AI-Driven Analytics:**
 - **Person Correlation Mapping:** Visualize relationships via chat/email interactions.
 - **OCR Recognition:** Extract text from images for keyword searches.

6. Reporting & Compliance

- **Custom Reports:** Export HTML/Word reports with interactive charts, timelines, and evidence links.
- **Screen Recording:** Generate MD5-verified video logs (full/partial screen with audio).

Hardware Configuration

- **Processor:** Intel 12th Gen Core i9-12900T (16 cores, 24 threads, 1.4 GHz).
- **Memory:** 64GB DDR4 3200MHz.
- **Storage:** 2TB M.2 SSD (OS + forensic tools).
- **Display:** 14.0-inch 1920×1080 HD touchscreen.

- **Interfaces:**
 - **Read-Only:** 1x USB 3.0/PCIe, 1x 3.5" SATA/SAS hot-swap bay, 2x SATA/SAS ports.
 - **Read-Write:** 1x 3.5" SATA/SAS bay, 2x SATA/SAS ports, 4x USB 3.0 ports.
 - **Networking:** 10GbE module, Wi-Fi/Bluetooth.
 - **OS:** Pre-installed Windows 10 64-bit (English edition).
 - **Portability:** 365 x 290 x 85.7 mm (L x W x H), 6.3 kg.
-

Technical Advantages

- **Forensic Compliance:** Meets **ISO 27037**, **NIST**, and **GDPR** standards.
 - **Modular Design:** Expandable with third-party tools (e.g., Cellebrite, X-Ways).
 - **Enterprise Scalability:** Process terabytes of data across hybrid environments.
-

Use Cases

- **Law Enforcement:** Extract evidence from encrypted devices, analyze transaction trails, and map suspect networks.
 - **Corporate Investigations:** Audit insider threats, data leaks, or financial fraud.
 - **Incident Response:** Rapidly triage compromised systems in critical infrastructure.
-

Why AX-DFK-P?

- **All-in-One Power:** Combines mobile/computer forensics, data recovery, and AI analytics.
- **Court-Ready Precision:** Tamper-proof logs, cryptographic hashing, and audit trails.
- **Future-Proof:** Lifetime firmware/software updates for evolving tech.

Ansion Intelligence

Innovating Digital Forensics Solutions for Justice and Enterprise



Ansion Intelligence is a leading provider of cutting-edge digital forensics products and technical services, dedicated to empowering judicial authorities and enterprises with reliable solutions for electronic evidence collection, analysis, and management.