

MD-BOX

Forensic Hardware Tool that Extracts data directly from the motherboards through the JTAG interface

MD-BOX is the forensic hardware for extracting data directly from the mainboard using JTAG interface. Various mobile CPU are supported with fast and robust extraction features under the assurance of write protection and evidence integrity. When the mobile device has damage on the external parts, but the mainboard still works, the examiner can connect the mainboard to MD-BOX through JTAG interface. Then, the data can be extracted at the menu of JTAG Extraction in MD-NEXT.



Hardware Requirements

CPU	ARM9
RAM	64Mbytes
Input Voltage	DC 5V/2A
JTAG Clock	1KHz ~ 50 MHz
Connector Type	20 Pin Connector
Target Voltage	1.8V ~ 5.0V
Size	75 x 120 x 18mm

Product Components

MD-BOX Hardware	1 EA
Probe connector	1 EA
Power adapter	1 EA
USB cable	1 EA
Warranty	1 Year
MD-Carrier	(Option)
MD-Cable Suite	(Option)

› Product Specification

Data Extraction from the board with JTAG interface

- Forensic hardware for reading data directly from the mainboard of mobile device using JTAG interface

Advanced Extraction Features

- Supports auto-scanning of partitions
- Supports the selected partition extraction
- Supports extraction without reference voltage
- Supports DMA (Direct Memory Access) type extraction
- Supports resumption of extraction from the halted point

Mobile CPU support

- MSM6XXX, MSM7XXX, APQ, Exynos, OMAP, Cortex - A, Xscale series CPU family

Excellent Extraction Performance

- Max. 1MB/sec extraction performance

Assurance of Evidence data Integrity

- Supports write-protection of the evidence data
- Supports 10 hash algorithms such as MD5 and SHA256

JTAG Cable Support

- Supports FPCB connector cable sets, MD-Cable Suite
- Supports manual connection by soldering work

Image File save using MD-NEXT

- Saves physically extracted data as MDF image file with MD-NEXT software