

# PC-3000 MOBILE PRO

New solution  
for mobile devices

## EXTRACT THE EVIDENCE YOU COULDN'T GET UNTIL NOW

The PC-3000 Mobile PRO is a hardware-software solution intended for recovering evidence from Android mobile devices such as smartphones and tablets. Using the power of PC-3000 low-level access technology, digital forensics experts can solve the most actual challenges like physical mobile device corruption or when the data cannot be accessed by standard ways, for example, when a password is lost. The modern platforms with file-based encryption and full disk encryption are supported.



Sometimes digital forensics experts cannot handle mobile phone cases with their conventional tools because:

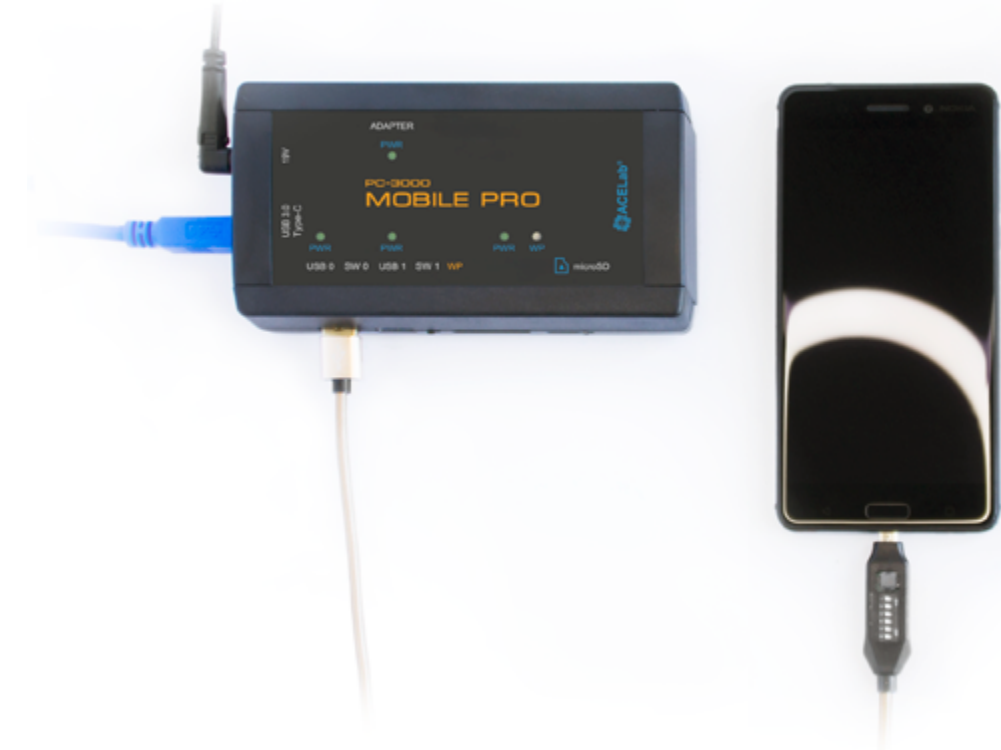
- ▶ a mobile phone is locked
- ▶ a mobile phone is not booting
- ▶ a PCB/display is damaged
- ▶ a phone is protected by modern protection methods

And the existing solutions like chip-off, rooting, finding exploits or JTAG do not help anymore...

**PC-3000 CPU Access Technology meets these challenges!**

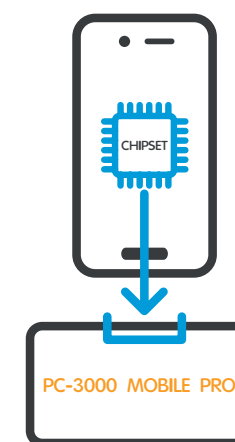
## NO MATTER IF A PHONE IS WORKING OR NOT

Digital forensics investigators can solve serious problems which are an easy task with the PC-3000 Mobile PRO!

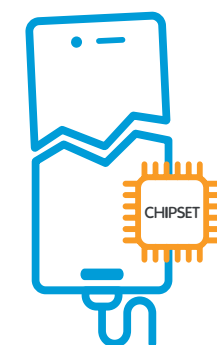


## SUPPLEMENTING WELL-KNOWN MOBILE FORENSIC TOOLS WITH NEW POSSIBILITIES FOR DATA ACCESS

Extract the locked or damaged phone content via the PC-3000 Mobile PRO into a convenient transport format for further analysis and parsing with the help of third-party tools.



Working  
with RAM  
only!



Working with  
"cold-state"  
smartphones

## The power of PC-3000 technology for CPU-level access to mobile devices

After years of ACE Lab experience in data recovery from physically damaged drives, it becomes possible to implement existing solutions from HDD/SSD to mobile devices as well. Time-trusted technology now helps to recover data from Android-based smartphones!

## Get data access even if mobile device access is locked or damaged

"Hot state" or bootable state of the phone aren't important for complete smartphone internal memory access. Using direct phone chipset communication, the only thing needed is working CPU and Memory of the phone.

# CREATING NEW POSSIBILITIES FOR DATA ACCESS



## Two-factor authentication password recovery

Helping digital forensic investigators if they get stuck on the “main screen” of the mobile device.



10, 11, 12, 13, 14...

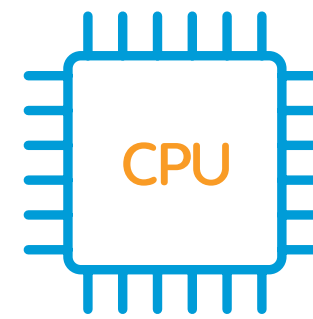
## Extract full partition structure of any Android OS and other GUI modifications (MIUI, EMUI, HarmonyOS, etc) mobile device

It doesn't matter what Android version or security patch was installed on the device. Thanks to the direct PC-3000 Mobile PRO and internal phone Chipset communication, it becomes possible not to care about software or firmware version of the supported smartphone.



## Rooting is not required anymore

PC-3000 works with RAM only in “cold state”, so you can be sure that the internal memory stays untouchable, and an internal data area is not going to be modified or exchanged! With such a safe approach the suspect mobile device will keep an original structure. The mobile phone doesn't get bricked so this working process eliminates its damage.



## Quick support of new Qualcomm, Mediatek, Spreadtrum and UNISOC-based devices on your demand

If the suspect phone is not officially supported, but it's based on the supported CPU chipset, the manual mode allows to find the most compatible approach to access the data. ACE Lab is always ready to assist in such cases.



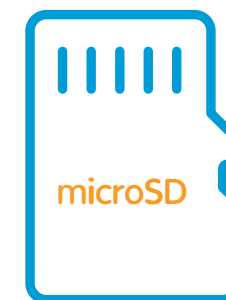
## Modern encryption algorithms like FBE (File-Based Encryption) and FDE (Full-Disk Encryption) are fully supported

As well as the actual Android file systems like F2FS and Ext 3/4 that can help digital forensic investigators to see the complete phone folder structure.



## Access to mobile devices with an active Second Space

Get the full access to all user profiles on a suspect phone, even if the phone contains Private Space/Duo Space, Samsung KNOX folder, or Xiaomi/Redmi/Poco Second Space (second profile). Don't forget that a huge amount of evidence can be located in the Hidden area of the phone.



## mSD recovery from smartphones based on a Qualcomm/Mediatek, Spreadtrum and UNISOC chipset

Because of specific Android settings the content of an optional storage expanding mSD card could be encrypted. Using the PC-3000 Mobile PRO technology you can get data access



## Not replacing existing tools, in fact supplementing them with new additional possibilities

The PC-3000 Mobile PRO can help digital forensic investigators to extract the decrypted image of the phone, which could be parsed and analyzed with other well-known mobile forensic tools.

# PC-3000 MOBILE PRO

ACE Lab engineers are constantly working on the enhancement of the PC-3000 Mobile PRO and adding new phones to the support list. Currently the following phones are supported:

## Supported CPU platforms:



## Supported phone vendors:

- ▶ ALLDOCUBE

▶ ASUS

▶ Alcatel

▶ Ark

▶ BQ

▶ Blackfox

▶ Blackview

▶ Caterpillar

▶ CoolPad

▶ CUBOT

▶ Dexp

▶ DIGMA

▶ Doogee

▶ FLY

▶ Ginzzu

▶ INFINIX

▶ Itel

▶ Hammer

▶ Highscreen
- ▶ HISENCE

▶ HTC

▶ HONOR

▶ Huawei

▶ Kenshi

▶ Lava

▶ Lenovo

▶ Leeco

▶ LG

▶ Meizu

▶ M-Horse

▶ Motorola

▶ Neffos

▶ Nokia

▶ One Plus

▶ Oscal

▶ OUKITEL

▶ OPPO

▶ Philips
- ▶ Pixus

▶ POCO

▶ Prestigio

▶ Realme

▶ Redmi

▶ RODA

▶ Samsung

▶ Sony

▶ Sony Ericsson

▶ Soyes

▶ T-MOBILE

▶ TP-LINK

▶ TCL

▶ Tecno

▶ Vivo

▶ ULEFONE

▶ UMI/UMIDIGI

▶ Xiaomi

▶ ZTE



See the list of supported phones and CPUs

If your phone is based on the supported CPU platform but not listed above, please contact technical support.

# WHAT IS INCLUDED:

## PC-3000 Mobile PRO Kit



|    |                                      |       |    |                                                                                            |       |
|----|--------------------------------------|-------|----|--------------------------------------------------------------------------------------------|-------|
| 1. | PC-3000 Mobile PRO device            | 1 pc. | 5. | USB - micro USB cable                                                                      | 1 pc. |
| 2. | PC-3000 Mobile PRO power supply unit | 1 pc. | 6. | Universal download cable                                                                   | 1 pc. |
| 3. | USB Type A - Type C 3.0 cable (1.8m) | 1 pc. | 7. | PC-3000 Mobile PRO software, resource database (Available in the Technical Support Portal) | 1 pc. |
| 4. | USB Type A - Type C 3.0 cable (1 m)  | 1 pc. | 8. | Equipment hard case                                                                        | 1 pc. |

## CUSTOMER-ORIENTED SUPPORT

- ▶ intensively adding more phones and mobile chipsets into support
- ▶ adding your case upon your request within several days
- ▶ monthly software updates
- ▶ license is not limited in time

NEW ASSET FOR YOUR  
MOBILE FORENSICS  
INVESTIGATIONS

CONTACT US  
FOR A FREE ONLINE  
DEMO!



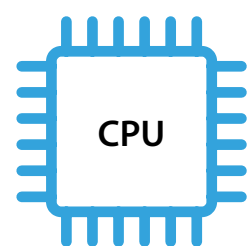
# NEW! ACCELERATOR ADD-ON FOR PC-3000 MOBILE PRO

New software add-on to accelerate acquisition of digital evidence from Android-based devices using parallel GPU/CPU processing



AMD

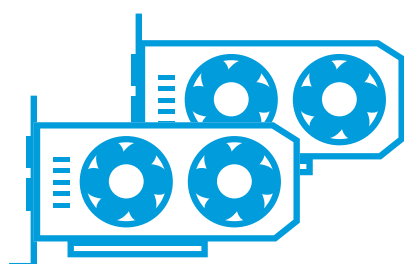
intel



100%

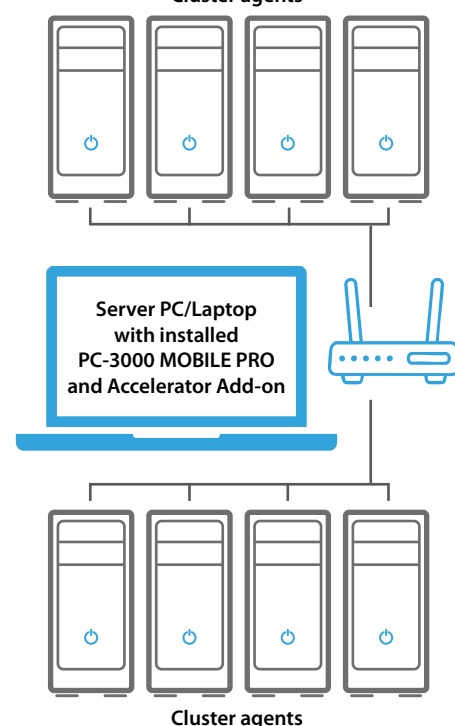
Effective use  
of all CPU cores

GEFORCE  
RTX



Support of multi GeForce RTX  
at one PC

Cluster agents



Ability to use your local network cluster  
for tasks acceleration

## Operating Modes



**Local:** runs on a single PC  
and uses all its GPUs and CPU cores



**Network (Cluster):** runs on a server PC and uses  
the GPUs/CPU's power of all PC stations  
in your local network for scalable processing

## Unlock higher efficiency

- ▶ Serious speed boost in digital investigations
- ▶ Efficient use of existing compute power of your local and networked PCs
- ▶ Configuration flexibility: from a single PC to a network cluster
- ▶ Server-agent security over local network

## Works in tandem with

NVIDIA GPUs with CUDA architecture  
(GeForce RTX, Quadro, Tesla)  
and modern CPUs

## Scalability

Adding the new agent nodes provides  
a straight-line scalability for overall  
cluster performance

## Integration

Works as a software add-on  
for PC-3000 Mobile PRO

The new Accelerator Software Add-on significantly speeds up diverse tasks in the PC-3000 Mobile PRO hardware-software system. Customize your PC configuration to suit your current needs.

## SPEED EFFICIENCY TO MANAGE 10 NUMERIC CHARACTERS PASSWORD:

~ 6 months

A single PC  
without Accelerator Add-On  
(Ryzen 7 5800X)

~7 days

A single PC  
with Accelerator Add-On  
(Ryzen 7 5800X + RTX 5800)

~1 minute

A local network cluster  
with Accelerator Add-On

## RECOVER EVIDENCE AT EXPONENTIALLY HIGHER SPEED!

Convenient use of various agent configurations for connected computers, including different CPUs and GPUs combinations, to infinitely increase performance. Easy management of all agents within the network cluster simplifies your work and makes evidence recovery faster.