



PC-3000 Portable III Systems

PERFECTLY EFFICIENT
WHEREVER YOU NEED



The most universal data recovery systems for any type of storage media devices: HDD, PCIe/SATA SSD, RAID, NAND Flash drives, and SAS*

4-port
controller

3 SATA/1 USB

ports with speed up to
490 MB/s

+

Fast imaging
SATA/USB
drives

3 HDD/SSD/RAID
members

can be connected to the PC-3000 Portable at the same time.
The total number of connected RAID members can be increased
with motherboard ports and image files.

Write protection

a special jumper on the device blocks any alteration of data during
the extraction or imaging with SATA 0 and USB ports.



The PC-3000 Portable III System is a hardware-software solution intended for diagnostics, repair and data recovery from almost all storage media devices. Together with the ACE Lab's software products and adapters, the PC-3000 Portable III forms the systems to recover evidence from SATA/PATA/USB HDD, RAID and PCIe/SATA SSD both in the lab and on-site:

- ▶ PC-3000 Portable System (PC-3000 Portable + Data Extractor Portable)
- ▶ PC-3000 Portable RAID System (PC-3000 Portable + Data Extractor Portable RAID Edition)
- ▶ PC-3000 Portable SSD System (PC-3000 Portable + Data Extractor Portable + PC-3000 SSD Extended)
- ▶ PC-3000 Portable Ultimate System (PC-3000 Portable + Data Extractor Portable RAID Edition + PC-3000 SSD Extended)

What's special about PC-3000 Portable III



Compact size & Standalone Mode
Size: 15,35 x 8,4 x 4,65 cm.
No need for a host computer to diagnose, image and erase drives.



Few-clicks solutions & Easy Mode
Almost all daily cases with logically damaged HDDs can be solved with a few buttons.



Maximum evidence & Full-Featured Mode
The highest success rates of data recovery no matter how difficult the case is.



Drives condition check-up & reports
Automatic check-up of the drives' condition and generation of reports about it.

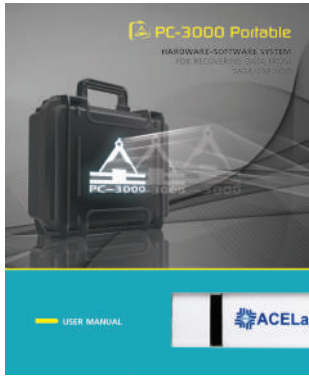


Damaged PCIe SSD Support
The world's first and only tool to recover data from DAMAGED PCIe SSDs.**



Faster work with USB HDD/SSD/Flash
Easy and reliable connection of USB HDD/SSD. Support of logically damaged NAND Flash drives and SD/micro SD cards.

The PC-3000 Portable III Kit:



1. PC-3000 Portable III controller	– 1 pc.	11. M.2 PCIe NVMe/AHCI SSD & M.2 SATA SSD adapter	– 1 pc.
2. PC USB TERMINAL 3 adapter	– 1 pc.	12. ATCS, ATDA probe unlock	– 1 pc.
3. SATA-micro SATA adapter	– 1 pc.	13. USB 2.0 cable	– 1 pc.
4. PC-FUJ.SATA adapter	– 1 pc.	14. USB 3.0 cable	– 1 pc.
5. PC-SAMSUNG adapter	– 1 pc.	15. SATA/POWER cable	– 3 pcs.
6. PC-SEAG.SATA adapter	– 1 pc.	16. Power supply unit	– 1 pc.
7. PC-SEAGATE adapter	– 1 pc.	17. IDC10 (30 cm) cable	– 1 pc.
8. PC-TOSH.SATA adapter	– 1 pc.	18. PC-3000 Portable III software, resource database	– 1 pc.
9. PC-WD 3.5" adapter	– 1 pc.	19. 2-in-1 SD/microSD Card Reader Adapter	– 1 pc.
10. PC-WD 2.5" adapter	– 1 pc.	20. User manual	– 1 book

**To deal with SAS drives, you need to get additionally the SAS adapter for the PC-3000 Portable III.*
***To work with Solid-State drives you need the PC-3000 solution which supports SSD: PC-3000 Portable SSD or Ultimate Systems*



Evidence recovery from HDD

```
0x0000: 46 49 54 20 20 20 20 20
0x0010: 41 30 09 00 9D 00 10 00
0x0020: B3 00 42 4F 4F 54 53 45
0x0030: 02 00 46 49 54 20 23 20
0x0040: 04 00 4D 4 9 53 54 20
0x0050: 00 00 46 53 49 20 20 20
0x0060: 9B 00 53 56 5F 54 42 4C
0x0070: B4 00 52 52 30 5F 54 42
0x0080: B5 00 52 45 53 4F 5F 54
0x0090: 68 00 46 44 54 5F 54 42
0x00A0: 0C 00 43 48 4E 5F 54 42
0x00B0: 06 00 43 4F 4E 46 49 47
```

DATA EXTRACTOR
THE BEST... EVER

Recovers more data than any other tool in the world

The Data Extractor professional software product is an essential part of the PC-3000 hardware-software systems intended for recovering data from SATA (Serial ATA), ATA (IDE) HDDs 3.5", 2.5", 1.8", 1.0", SAS (Serial Attached SCSI), SCSI, USB HDD, SSHD (Solid State Hybrid Drive), etc.

PC-3000 Systems allow reading only necessary data due to the powerful integrated functionality for logical analysis of file systems. This advanced technology greatly reduces the volume of the read data, the workload on damaged HDDs and the time required for data recovery. Thus, you can read the data even if a drive has considerable physical damage

Supported SATA/IDE HDDs:

Damaged (physically and logically), encrypted and healthy SATA/IDE HDDs of various vendors:

- ▶ Western Digital
- ▶ Seagate
- ▶ Samsung
- ▶ Maxtor
- ▶ Toshiba
- ▶ Quantum
- ▶ Fujitsu
- ▶ Hitachi

To recover data from HDD you need one of the following Systems:

- ▶ PC-3000 Express Systems
- ▶ PC-3000 UDMA Systems
- ▶ PC-3000 Portable Systems
- ▶ PC-3000 SAS Systems

Supported SAS/SCSI HDDs:

Damaged (physically and logically), encrypted and healthy SAS/SCSI HDDs of various vendors:

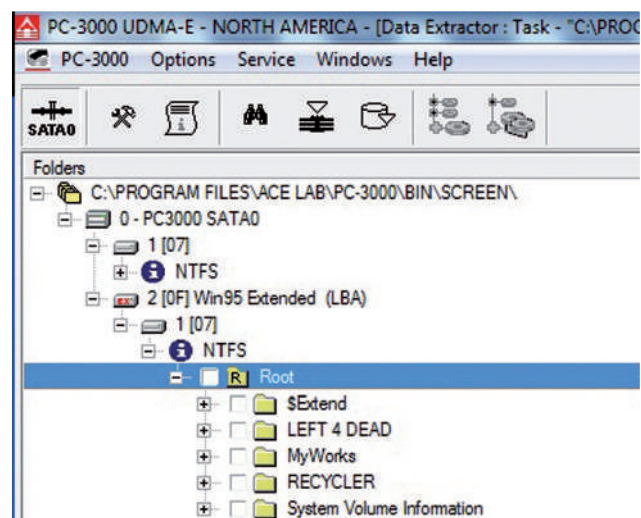
- ▶ IBM
- ▶ Seagate
- ▶ Hitachi GST
- ▶ Maxtor
- ▶ Fujitsu

Supported file and storage systems:

File systems: FAT, exFAT, NTFS, ReFS, HFS+, APFS, EXT2/3/4, XFS, F2FS, ReiserFS, BtrFS, VMFS, UFS1/2, ZFS

DVR Files Systems: WFS0.4, DHFS4.1

Virtual drives: flat (raw image), vhd, vhdx, vmdk, dmg





Evidence Recovery from SSD

PC-3000 SSD DRIVE THE CHANGE

NAND CHIPS ID:

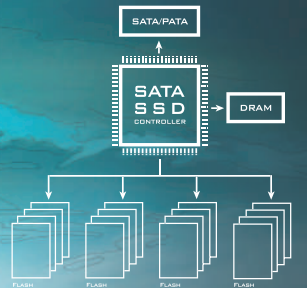
CHANNEL 0:
CE 0: LOGIC CHIP
CE 1: LOGIC CHIP
CE 2: LOGIC CHIP
CE 3: LOGIC CHIP

CHANNEL 3:
CE 0: 0x2C8B044B
CE 1: 0x2C8B044B
CE 2: 0x2C8B044B
CE 3: 0x2C8B044B
> ■

SSD DETECTED

TECHNOKEY : DETECTED!
CAPACITY : 256 GB
NUMBER OF CHANNELS : 8

CHANNEL 0:
CE 0: LOGIC CHIP
CE 1: LOGIC CHIP
CE 2: LOGIC CHIP
CE 3: LOGIC CHIP



CHANNEL 1:
CE 0: 0x2C8B044B
CE 1: 0x2C8B044B
CE 2: 0x2C8B044B
CE 3: 0x2C8B044B

CHANNEL 2:
CE 0: 0x2C8B044B
CE 1: 0x2C8B044B
CE 2: 0x2C8B044B
CE 3: 0x2C8B044B

The leading-edge unique solution for recovering SSD in technological mode

The PC-3000 SSD Software is a professional product intended for restoring SSD and recovering data from them.

To recover evidence from SSD you need one of the following Systems:

- ▶ PC-3000 Express SSD/Ultimate System
- ▶ PC-3000 UDMA SSD/Ultimate System
- ▶ PC-3000 Portable SSD/Ultimate System

Key Features for SSD Diagnosis, Repair and Data Recovery

- ▶ Diagnose an SSD in technological mode
- ▶ View the logs of hidden defects (P-page, G-page)
- ▶ Perform low-level formatting to hide the discovered defects
- ▶ Reset the logs and S.M.A.R.T. parameters
- ▶ Search for the damaged memory chips
- ▶ Provide direct access to the content of memory chips so that you do not need to unsolder the chips
- ▶ Emulate the translator operation in order to get an access to user data
- ▶ Load the microcode into the drives RAM
- ▶ Read and write the content of the SSD ROM
- ▶ Verify and restore the SSD service information
- ▶ View the password and reset the password that was earlier set on the SSD
- ▶ Turn off background processes in the SSD to prevent data damage
- ▶ Work with the Data Extractor

