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.

Diagnostic ports / Image copy

SATA   SATA

Power-19V

USB 3.0

Diagnostic ports with write protection   USB 3.0   PCIe/SATA

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

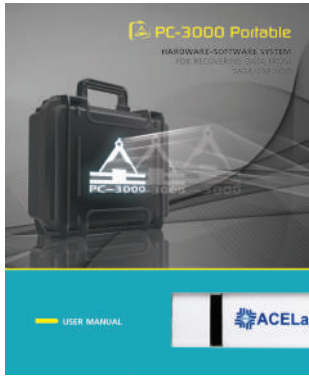Automatic check-up of the drives' condition and generation of reports about it.

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

DATA EXTRACTOR
RAID EDITION

SIMPLY THE SMARTEST

	A	B	C	D
0	0	1	XOR	RS
1	3	XOR	RS	2
2	XOR	RS	4	5
3	RS	6	7	XOR

The easiest, fastest and smartest systems to recover data and digital evidence from RAID

The Data Extractor RAID Edition software product is an essential part of the PC-3000 Systems intended for recovering data from RAID arrays. The hardware-software combination enables to solve the most complex RAID cases when one or several drives have not only logical (deleted partitions, virus attacks, etc.) but also serious physical damages. The Data Extractor RAID Edition contains all the features of the Data Extractor.

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

► PC-3000 Express RAID/Ultimate System

► PC-3000 UDMA RAID/Ultimate System

► PC-3000 Portable RAID/Ultimate System

► PC-3000 SAS RAID System

Supported virtual RAID levels

► 0 (Stripe), 1 (Mirror), 1E Offset and Adjacent, JB0D, 4, 5, 5E, 5EE, 6 and 6-Adaptec

► Various combined levels: 10, 50, 51, 60 and others (due to the possibility to use virtual RAID array as a member)

► Software-based RAID and multi-disk storage systems: LDM and mdadm structure analysis, WSS (Windows Storage Spaces), ZFS RAID-Z, BtrFS RAID, Apple Fusion Drive (HFS+, APFS)

► Custom configurations that are set by user with the tabular (matrix) presentation

0	1	XOR	2	3	XOR
5	XOR	4	7	XOR	6
XOR	8	9	XOR	10	11

Evidence Recovery from SSD

SSD DETECTED

TECHNO-KEY .... : 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 ....

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: 0x2C88044B ....
    CE 1: 0x2C88044B ....
    CE 2: 0x2C88044B ....
    CE 3: 0x2C88044B ....
> ▪

Channel 1:   Channel 2:
    CE 0: 0x2C88044B   CE 0: 0x2C88044B
    CE 1: 0x2C88044B   CE 1: 0x2C88044B
    CE 2: 0x2C88044B   CE 2: 0x2C88044B
    CE 3: 0x2C88044B   CE 3: 0x2C88044B
> ▪

PC-3000 SSD
DRIVE THE CHANGE
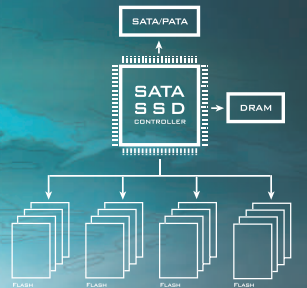
The leading-edge unique solution for recovering SSD in technological mode

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