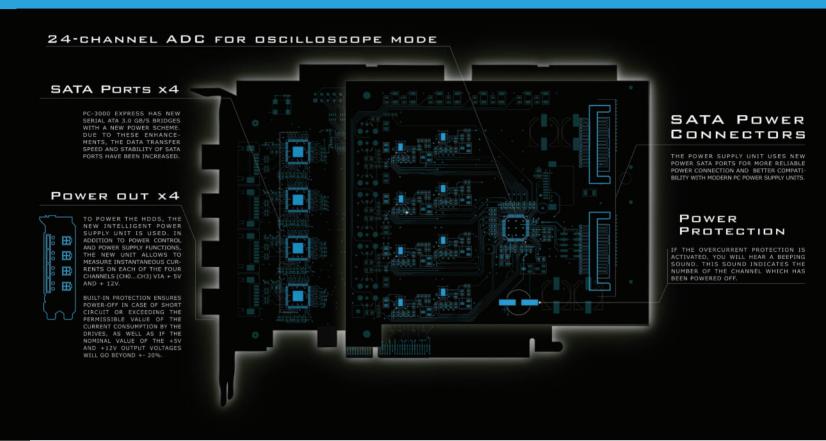


PC-3000 Express Systems



Professional data recovery solutions for the digital forensic labs with a big flow of cases

6-port* tester-board 4 SATA

ports with speed up to

150 MB/s

2 PATA

ports with speed up to

133 MB/s

4 HDD/SSD/RAID members

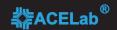
can be connected to the PC-3000 Express at the same time. Thus, you can restore either 4 SATA drives or 2 SATA and 2 PATA drives or 3 SATA and 1 PATA drives.

The total number of connected RAID members can be increased with motherboard ports, image files and the PC-3000 Hybrid System.

The PC-3000 Express is a hardware-software solution intended for diagnosing and repairing damaged SATA/IDE HDDs. Together with other ACE Lab's software products, it forms the fastest, most efficient and powerful systems to recover data from SATA/IDE HDDs, RAID and SSD that ever existed:

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

^{*} SATA0 and SATA1 are the primary ports, SATA2 and SATA3 ports are switchable with the PATA ports (PATA0 and PATA1).



-What's special about PC-3000 Express Rev. 2.0.

- ▶ Broad support of all generations of SATA/PATA HDD (500MB-8TB) with proven over time hardware platform
- ▶ More efficient HDD diagnostics due to the oscilloscope functions of the new Intelligent Power Supply Unit
- ▶ Better compatibility with modern PC power supply units as a result of substitution of the old 4-pin PATA Power Connectors with SATA Power connectors
- ► The increase of the data transfer rate and improvement of the SATA ports stability thanks to the new circuit design of the Serial ATA 3.0 GB/s bridges

-The PC-3000 Express System Kit:



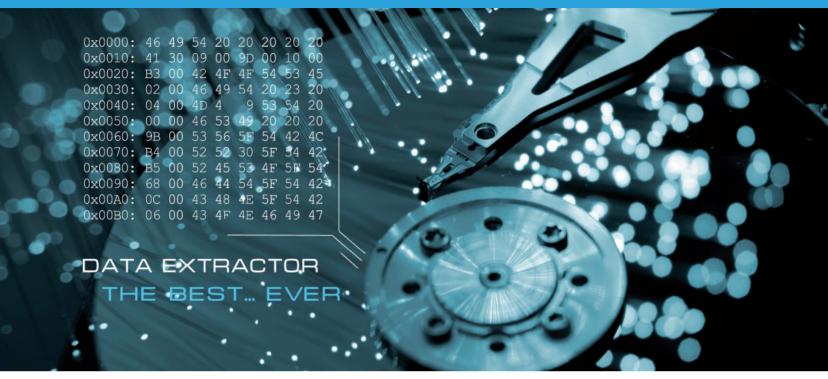


1. PC-3000 Express controller	– 1 pc.
2. PC-USB PWR adapter	– 1 pc.
3. PC USB TERMINAL 3 adapter	– 2 pcs.
4. PC-2" adapter	– 1 pc.
5. SATA-micro SATA adapter	– 1 pc.
6. MX-SAFE adapter	– 1 pc.
7. PC-FUJ.SATA adapter	– 1 pc.
8. PC-QUANTUM adapter	– 1 pc.
9. PC-SAMSUNG adapter	– 2 pcs.
10. PC-SEAG.SATA adapter	– 2 pcs.
11. PC-SEAGATE adapter	– 2 pcs.
12. PC-TOSH.SATA adapter	– 2 pcs.
13. PC-WD 3.5" adapter	– 1 pc.

14.	PC-WD 2.5" adapter	– 1 pc.
15.	ATCS, ATDA probe unlock	– 1 pc.
16.	USB 2.0 cable	– 2 pcs.
17.	SATA RAID edition (100 cm) cable	– 4 pcs.
18.	UDMA80 (80 cm) flat cable	– 2 pcs.
19.	IDC10 (30 cm) cable	– 2 pcs.
20.	MX-SAFE power cable	– 1 pc.
21.	SATA HDD (100 cm) power cable	– 2 pcs.
22.	PATA HDD (85 cm) power cable	– 2 pcs.
23.	PATA-SATA (15 cm) power adapter	– 2 pcs.
24.	PC-3000 Express software, resource database	– 1 p.c
25.	User manual	– 1 book



Evidence recovery from HDD



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

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:

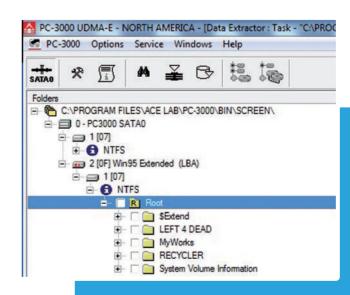
File systems: FAT, exFAT, NTFS, ReFS, HFS+, APFS, EXT2/3/4, XFS, F2FS, ReiserFS, BtrFS, VMFS, UFS1/2, ZFS

DVR Files Systems: WFS0.4, DHFS4.1

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

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





Evidence Recovery from SSD



The leading-edge unique solution for recovering

SSD in technological mode

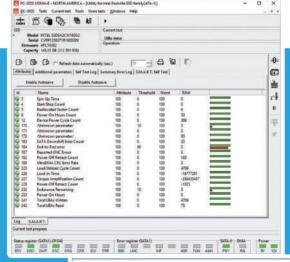
The PC-3000 SSD Software is a professional product intended for restoring SSD and recovering data from them.

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



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Major version:	Copies:
Defmap 811E Defmap 811D Defmap 811C	03 02 01 00
"Context" modules:	Bik=0x07FB ▼
	Blk=0x07FA Ver=5 ▼