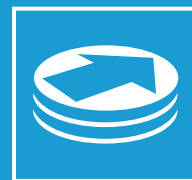
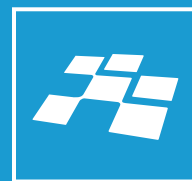

2018

PRODUCT CATALOGUE

PC-3000

Professional Solutions for Data Recovery



About Us



25 years of global market leadership

110 countries have the PC-3000 users

15 000+ customers

ACE is a trendsetter in professional tool development for the HDD repair and data recovery industries. Under the ACE Lab trademark, ACE develops in-house data recovery technologies and provides customers with the most comprehensive and reliable professional data recovery tools on the market through its PC-3000 product line.

ACE has set the benchmark for professional data recovery by continuously perfecting its products and services, and remains the proven leader in the field.

ACE Lab has been certified in accordance with the quality management requirements of ISO 9001:2015 and strictest information security requirements of ISO/IEC 27001:2013 to perform manufacturing and sales of PC-3000 products as well as conduct data recovery training.

[PC-3000 is the ultimate standard in the area of data recovery.](#)

We specialize in

- ▶ Professional data recovery research and development
- ▶ Product manufacturing
- ▶ Application of data recovery tools in digital forensics
- ▶ Data recovery technical support service
- ▶ Training in data recovery technologies

PC-3000 Professional Systems



Being continuously developed and successfully used for more than two decades, the PC-3000 Professional Systems have been representing the cutting-edge solutions for repairing SATA/IDE HDD, SAS/SCSI drives, RAID, SSD/USB Flash drives etc. and recovering data from them.

ACE Lab introduces the **latest** methods and the **unique** techniques, which are eagerly anticipated by our users, thus we can equip your data recovery lab with the best, most comprehensive and state-of-the-art products.

With the PC-3000, you can solve the maximum possible amount of data recovery cases, so each serious data recovery lab either has the PC-3000 or dreams of having it.

On top of that, for the convenience of our users, the software is available in three languages: English, Japanese and Chinese. COMING SOON: Korean localization is in progress!

Trust your data recovery to the world leader – the PC-3000 tools!

Key Solutions for Business Success:

	Repairing	Recovering data
SATA/IDE HDD	PC-3000 Express	PC-3000 Express + Data Extractor Express
	PC-3000 UDMA	PC-3000 UDMA + Data Extractor UDMA
SAS/SCSI HDD	PC-3000 SAS	PC-3000 SAS + Data Extractor SAS
RAID	PC-3000 Express	PC-3000 Express + Data Extractor Express RAID Edition
	PC-3000 UDMA	PC-3000 UDMA + Data Extractor UDMA RAID Edition
	PC-3000 SAS	PC-3000 SAS + Data Extractor SAS RAID Edition
SSD	PC-3000 SSD + PC-3000 Express	PC-3000 SSD + PC-3000 Express + Data Extractor Express (or Data Extractor Express RAID Edition)
	PC-3000 SSD + PC-3000 UDMA	PC-3000 SSD + PC-3000 UDMA + Data Extractor UDMA (or Data Extractor UDMA RAID Edition)
Flash drives*		PC-3000 Flash

* – USB Flash drives, SD, microSD, Memory Stick (MS), xD, MMC, CF, Voice Recorder, iPhone 2G, 3G, 3GS (without hardware encryption), Android (till 4.0 on TSOP-48 based devices), etc.



PC-3000 Express **New!**



The fastest, most efficient and powerful product that ever existed

The best data recovery solution when customers' time and the speed of data recovery are top priorities



6-port
tester-board

4 SATA
ports
with speed up to
150 MB/s

+

2 PATA
ports
with speed up to
133 MB/s

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

The enhanced power control functionality ensures better feedback and diagnostics while powering up damaged HDDs. New SATA power connectors allow to connect PC-3000 Express to any PC equipped with SATA power adapter.

4 HDDs

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 simultaneously.

The PC-3000 Express is a hardware-software solution intended for diagnosing and repairing damaged SATA/IDE HDDs. For data recovery you need both the PC-3000 Express and the Data Extractor Express, or the PC-3000 Express and the Data Extractor Express RAID Edition if you wish to recover data from RAID.

What's new in the PC-3000 Express Rev.2.0

- ▶ New intelligent Power Supply Unit with oscilloscope functions
- ▶ SATA Power connectors instead of the old 4-pin PATA Power connectors
- ▶ New circuit design of the Serial ATA 3.0 GB/Sec bridges

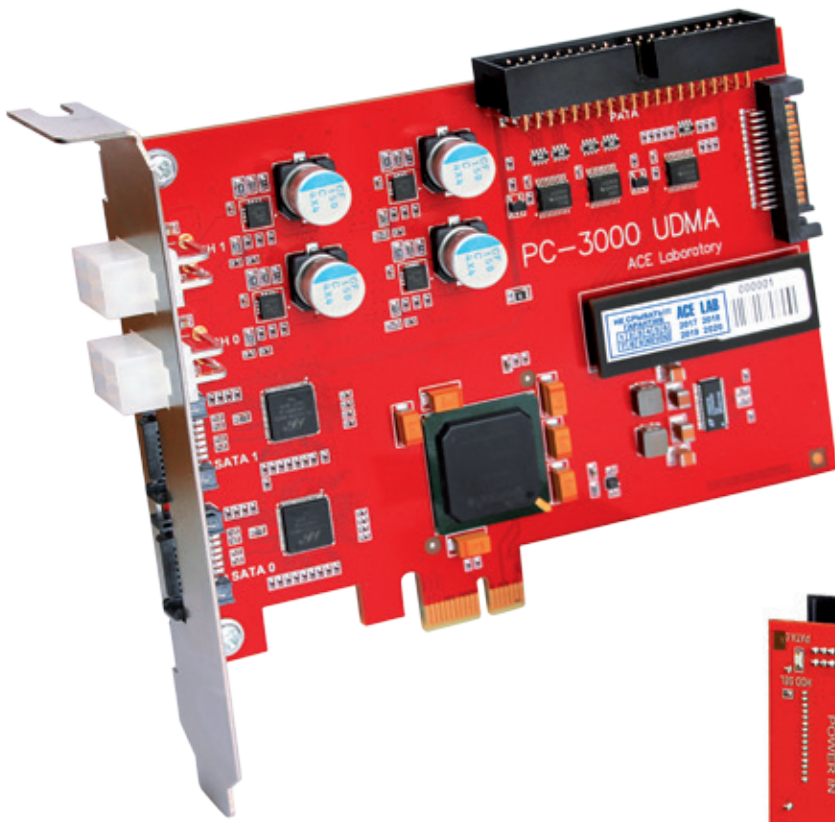
The PC-3000 Express Kit:



1. PC-3000 Express controller	– 1 pc.	14. PC-WD 2.5" adapter	– 1 pc.
2. PC-USB PWR adapter	– 1 pc.	15. ATCS, ATDA probe unlock	– 1 pc.
3. PC-USB-TERMINAL adapter	– 2 pcs.	16. USB 2.0 Defender cable	– 2 pcs.
4. PC-2" adapter	– 1 pc.	17. SATA RAID edition (80 cm) cable	– 4 pcs.
5. SATA-micro SATA adapter	– 1 pc.	18. UDMA80 (80 cm) flat cable	– 2 pcs.
6. MX-SAFE adapter	– 1 pc.	19. IDC10 (30 cm) cable	– 2 pcs.
7. PC-FUJ.SATA adapter	– 1 pc.	20. MX-SAFE power cable	– 1 pc.
8. PC-QUANTUM adapter	– 1 pc.	21. SATA HDD (80 cm) power cable	– 2 pcs.
9. PC-SAMSUNG adapter	– 2 pcs.	22. PATA HDD (70 cm) power cable	– 2 pcs.
10. PC-SEAG.SATA adapter	– 2 pcs.	23. PATA-SATA (10 cm) power adapter	– 2 pcs.
11. PC-SEAGATE adapter	– 2 pcs.	24. PC-3000 Express software, resource database	– 1 DVD
12. PC-TOSH.SATA adapter	– 2 pcs.	25. User manual	– 1 book
13. PC-WD 3.5" adapter	– 1 pc.		

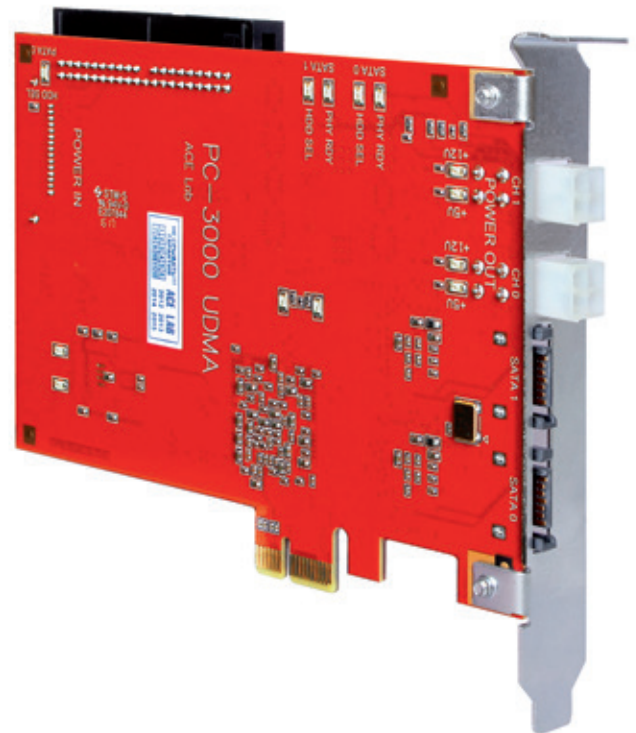


PC-3000 UDMA **New!**



The optimal combination of high efficiency and reasonable price

The main «workhorse» for daily use at any data recovery lab



3-port tester-board

2 SATA ports with speed up to **150 MB/s**

+

1 PATA port with speed up to **133 MB/s**

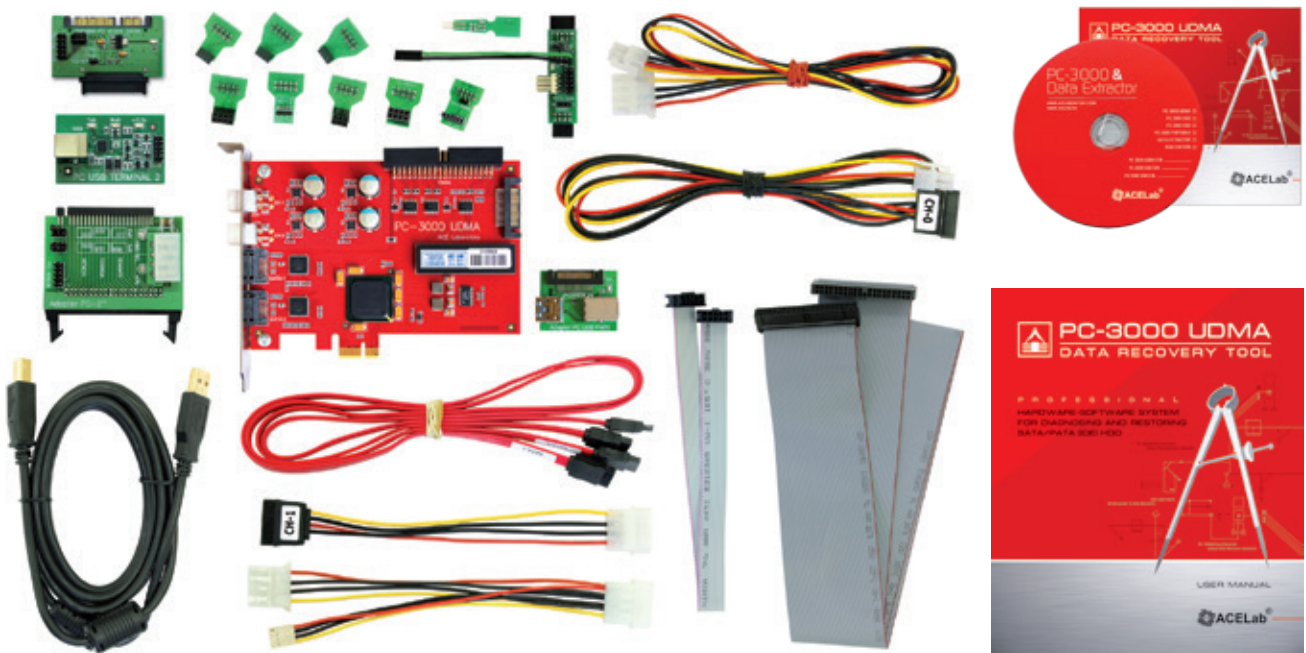
SATA0 is the primary port, SATA1 is switchable with the PATA port (PATA0).

2 HDDs

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

The PC-3000 UDMA is a hardware-software solution intended for diagnosing and repairing damaged SATA/IDE HDDs. For data recovery you need both the PC-3000 UDMA and the Data Extractor UDMA, or the PC-3000 UDMA and the Data Extractor UDMA RAID Edition if you wish to recover data from RAID.

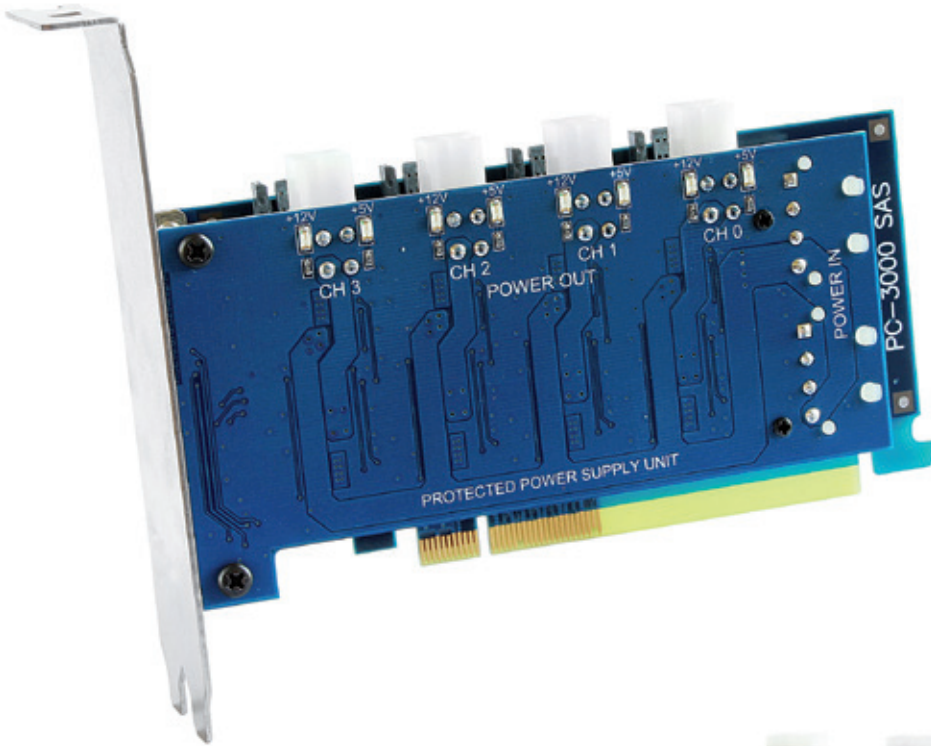
The PC-3000 UDMA Kit:



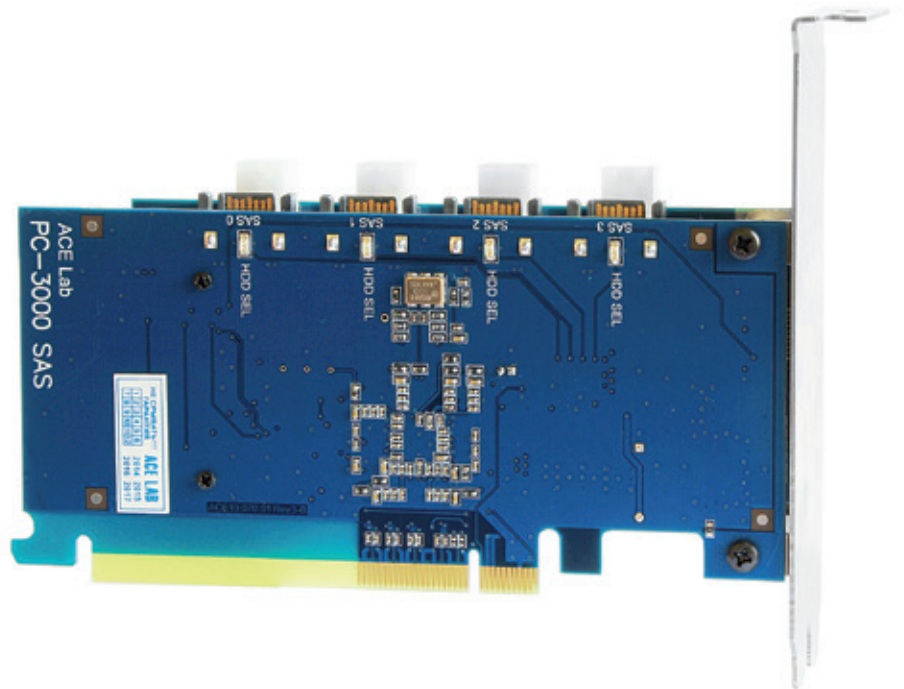
1. PC-3000 UDMA controller	– 1 pc.	14. PC-WD 2.5" adapter	– 1 pc.
2. PC-USB PWR adapter	– 1 pc.	15. ATCS, ATDA probe unlock	– 1 pc.
3. PC-USB-TERMINAL adapter	– 1 pc.	16. USB 2.0 Defender cable	– 1 pc.
4. PC-2" adapter	– 1 pc.	17. SATA RAID edition (80 cm) cable	– 2 pc.
5. SATA-micro SATA adapter	– 1 pc.	18. UDMA80 (80 cm) flat cable	– 1 pc.
6. MX-SAFE adapter	– 1 pc.	19. IDC10 (30 cm) cable	– 1 pc.
7. PC-FUJ.SATA adapter	– 1 pc.	20. MX-SAFE power cable	– 1 pc.
8. PC-QUANTUM adapter	– 1 pc.	21. SATA HDD (80 cm) power cable	– 1 pc.
9. PC-SAMSUNG adapter	– 1 pc.	22. PATA HDD (70 cm) power cable	– 1 pc.
10. PC-SEAG.SATA adapter	– 1 pc.	23. PATA-SATA (10 cm) power adapter	– 1 pc.
11. PC-SEAGATE adapter	– 1 pc.	24. PC-3000 UDMA software, resource database	– 1 DVD
12. PC-TOSH.SATA adapter	– 1 pc.	25. User manual	– 1 book
13. PC-WD 3.5" adapter	– 1 pc.		



PC-3000 SAS



The most sophisticated and the fastest tool for SAS/SCSI restoration



Maximum possible speed of working with HDDs, restricted only by internal HDD speed

4-port tester-board

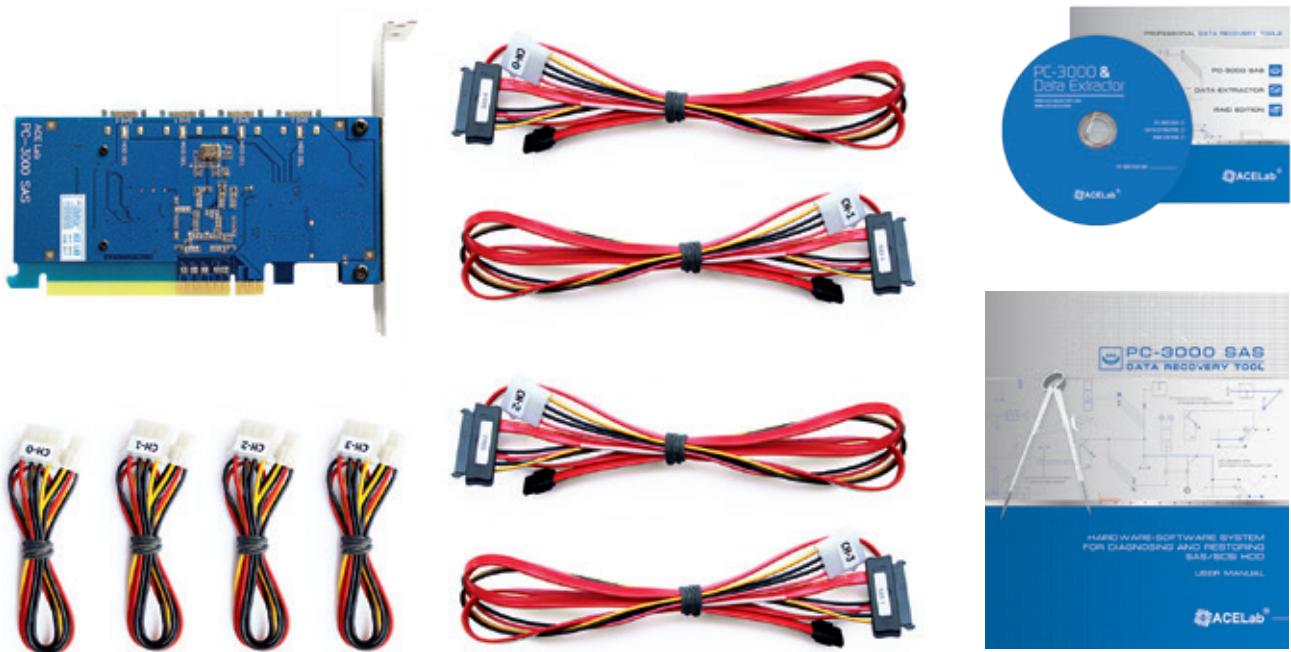
4 SAS ports with speed up to 300 MB/s

Fast imaging of healthy SCSI/SAS & SATA drives

4 SAS drives | can be connected to the PC-3000 SAS at the same time.

The PC-3000 SAS is a hardware-software solution intended for testing and restoring damaged SAS/SCSI HDDs. For data recovery you need both the PC-3000 SAS and the Data Extractor SAS, or the PC-3000 SAS and the Data Extractor SAS RAID Edition if you wish to recover data from RAID.

The PC-3000 SAS Kit:



1.	PC-3000 SAS controller	– 1 pc.
2.	SAS SFF-8482/SATA/Molex (100cm) cable	– 4 pcs.
3.	HDD SCSI (50 cm) power cable	– 4 pcs.
4.	PC-3000 SAS software	– 1 DVD
5.	User manual	– 1 book

Data Extractor

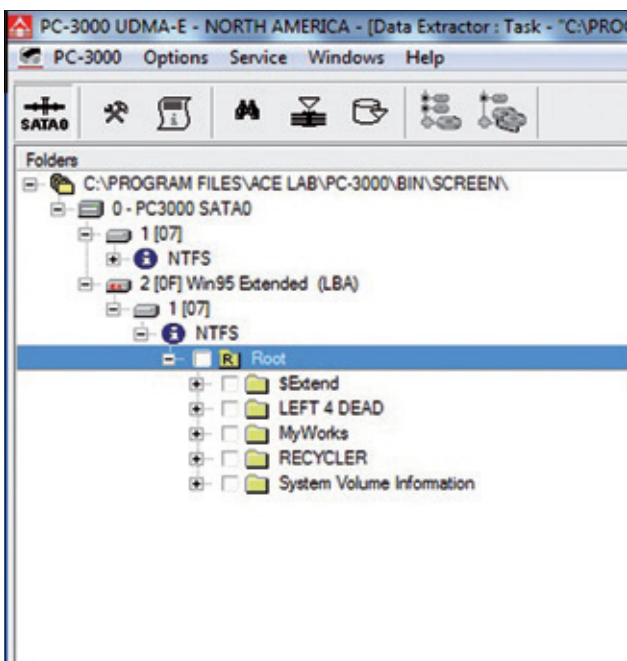
Data recovery professionals' best choice



The Data Extractor is a professional software product functioning in tandem with the PC-3000 hardware-software products. It is intended for recovering data from **SATA (Serial ATA), ATA (IDE) HDDs 3.5", 2.5", 1.8", 1.0", USB HDD, SSHD (Solid State Hybrid Drive)**, etc.

When working with a damaged drive, it is very important to read the maximum data volume in the shortest period of time, as a damaged HDD can stop functioning at any time. The Data Extractor has the powerful integrated functionality for logical analysis of file systems, which allows to read only necessary data. This advanced technology greatly reduces the volume of the read data, the workload on damaged HDDs and the time required for data recovery. You can read the data even if a drive has considerable physical damages.

Supported file systems



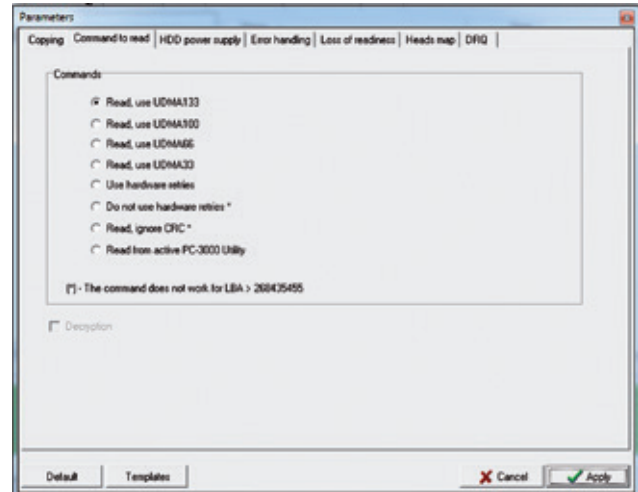
The **Data Extractor** supports the most popular file systems **FAT, exFAT, NTFS, EXT2/3/4, HFS+, UFS1/2, BtrFS, ZFS, XFS, ReiserFS, VMFS**. It is possible to build the used/unused sectors map, the file system metadata map, the map of selected files and folders. The specialized modes, such as **Partition Data Analysis**, enable to recover data from the damaged file systems (data deleted by users, virus attacks, deleted metadata, software failures, etc.).

Data recovery from virtual drives (**flat, vmdk, vhd, vhdx, dmg**) and encrypted partitions (**FileVault, BitLocker, TrueCrypt**) are supported.

Working with damaged drives

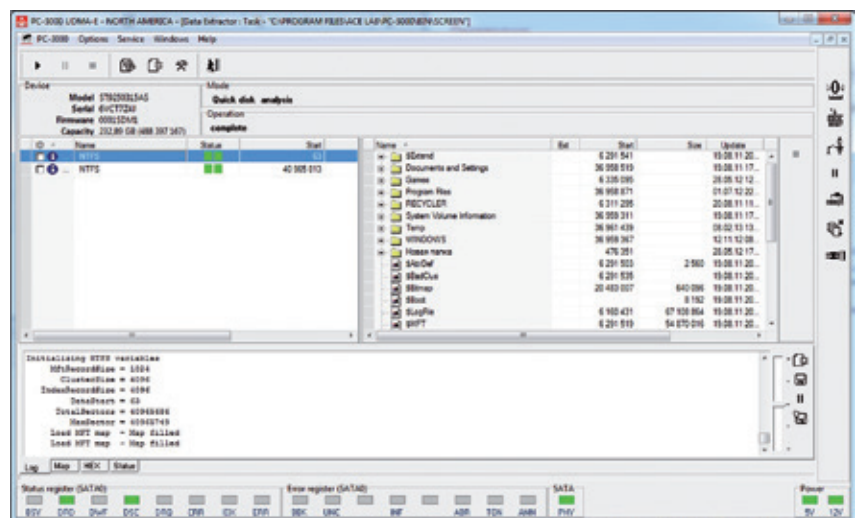
The PC-3000 hardware-software system allows to create a «shadow» copy of the read data and use this copy for the further work. It minimizes the handling of bad drives. Moreover, the **Data Extractor** has an extended functionality for working with damaged HDD:

- ▶ Reading HDD in technological mode
- ▶ Reading by head map
- ▶ Reading mode selection (UDMA 133/100/66/33, PIO 4/3/2/1/0)
- ▶ Read forward and backward
- ▶ Read ahead (cache function) disabling
- ▶ Autorelocation disabling
- ▶ Reading with hardware and software retries
- ▶ Reading with ignoring ECC
- ▶ Power supply control
- ▶ Software and hardware resets
- ▶ Virtual translator mode for recovering data from HDDs with corrupted dynamic translators



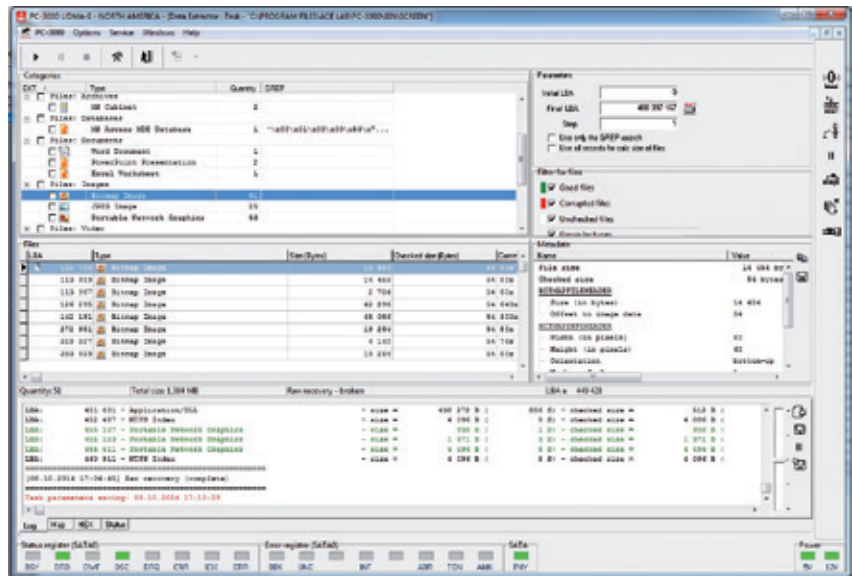
Quick Disk Analysis mode

This mode allows to find the partitions which are not available anymore because the disk structure is lost: **MBR, GPT, Apple partition table**, etc. It enables to estimate the partition integrity and view a file/folder tree.



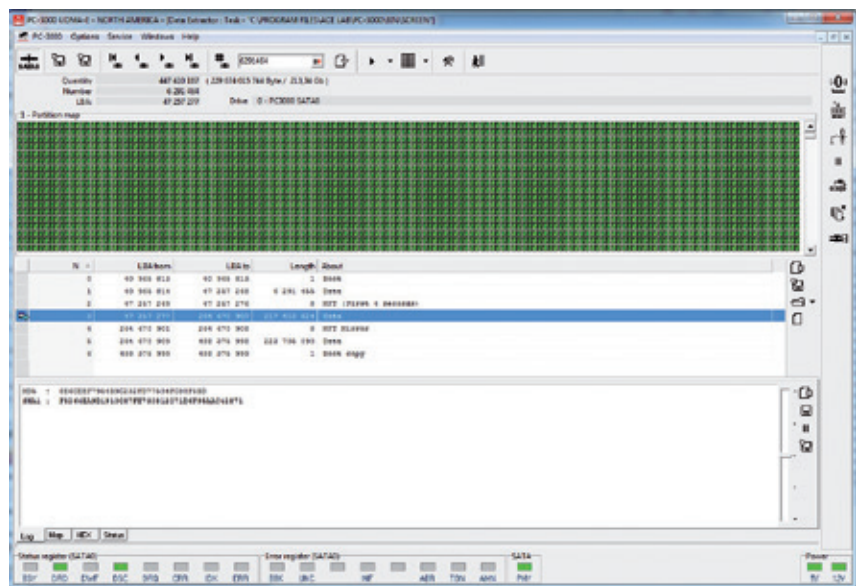
Advanced RAW Recovery mode

The mode allows to recover the most part of user data even if the file system is catastrophically damaged. The **RAW Recovery** mode searches and analyses the integrity of files irrespective of the file system structure. It supports a broad range of user data (images, audio/video files, archives, etc.) and file system metadata. The regular expression mechanism allows to add your personal search settings.



Forensic features

- ▶ You can create a copy of HDD data and save the data to one or several healthy storage devices
- ▶ It is possible to export the lists of files to the CSV format and to calculate hash functions for files, folders, partitions (using MD5 or SHA algorithms)
- ▶ Forensic formats like *.E01;*.aff;*.s01;*.001 are supported
- ▶ MaxLBA HDD parameter can be changed /reset to factory value
- ▶ You can build the data storage maps for files, folders, partitions, used/unused space, and file system metadata
- ▶ After the maps of data are built, it is possible to analyze them by means of special modes (advanced RAW recovery mode, GREP search, etc.), which can help to find the digital evidence
- ▶ You can unlock the HDD (password reset)
- ▶ The service information of file systems can be viewed and investigated in order to recover the lost data and to find «backdoors»
- ▶ A damaged drive can be «mounted» into the operation system and used in the «read-only» mode
- ▶ Decryption of Microsoft BitLocker, Apple FileVault, TrueCrypt partitions is available

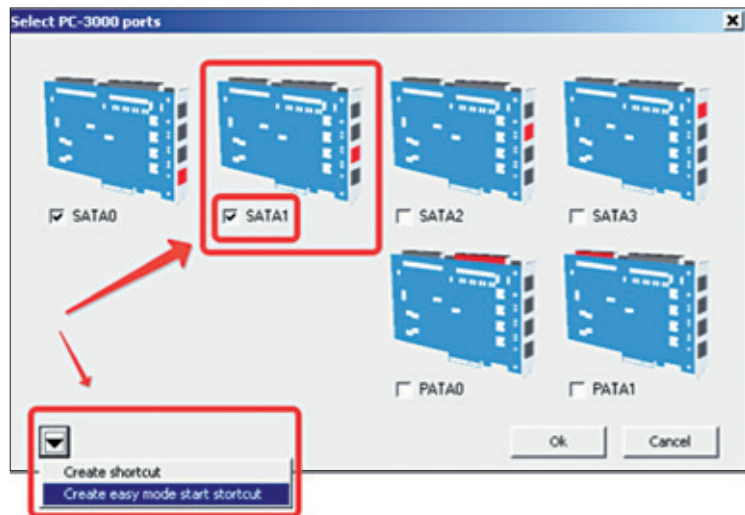


PC-3000 Easy Mode

PC-3000 Easy Mode makes the job much easier and better organized for:

- ▶ Digital forensic experts
- ▶ Computer repair technicians
- ▶ Data recovery learners

The new easy mode interface is a dashboard with quick-launch buttons allowing users to perform a lot of routine, but necessary steps automatically.



Main Operations in Easy Mode

- ▶ Managing drive power
- ▶ Reading and analyzing drive identification data
- ▶ Reading and analyzing drive S.M.A.R.T. data
- ▶ Performing quick drive test to check the drive's condition
- ▶ Performing complex test for comprehensive examination
- ▶ Removing password if a drive is security-locked
- ▶ Viewing Data (a DE task without copy creation)
- ▶ Creating Data copy (a DE task with copy creation)
- ▶ Working with previously created tasks

Advantages for Digital Forensics

Simplified PC-3000 interface is essential for forensic experts when looking for evidence from damaged storage devices. They can easily:

- ▶ Analyse logically damaged drive
- ▶ Create disk images
- ▶ Unlock Password
- ▶ Recover data using DE
- ▶ View target data

In the future the PC-3000 easy mode is expected to be enhanced with ready-made solutions for typical problems in specific drive families and models (selected automatically based on diagnostics results) and creation of copies with hash calculation in E01, aff, and raw formats (similarly to manual DE tasks now).

Data Extractor RAID Edition

The easiest, fastest and smartest tool to recover data from RAID

Data Extractor RAID Edition is the professional software product for recovering data from RAID arrays. Functioning in tandem with the PC-3000 controllers, it forms the truly unique PC-3000 RAID System (it can be of various types **Express/UDMA/SAS**). The hardware-software combination enables to solve the most complicated RAID cases when one or several drives have not only logical (deleted partitions, virus attacks, etc.) but also serious physical damages.



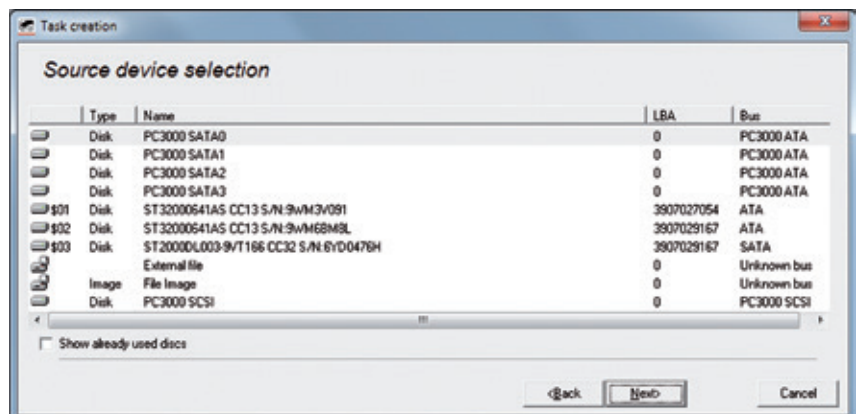
Supported virtual RAID levels

- ▶ 0 (Stripe), 1 (Mirror), 1E Offset and Adjacent, JBOD, 4, 5, 5E, 5EE, 6 and 6-Adaptex
- ▶ Various combined levels: 10, 50, 51, 60 and others (due to the possibility to use virtual RAID array as a member)
- ▶ Random configurations that are set by user with the tabular presentation

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

Virtual RAID members

- ▶ Drives connected to the PC-3000 ports
- ▶ Storage devices connected in a standard way
- ▶ Image files
- ▶ Data Extractor tasks created previously with copies to files
- ▶ Previously created virtual RAIDs





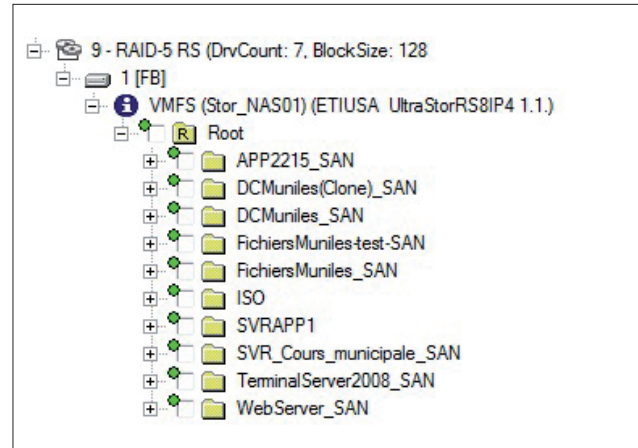
Working with built RAID array

Features:

- ▶ Reviewing all supported file systems
- ▶ Various logical recovery modes
- ▶ Building the map
- ▶ Mounting of virtual RAID to Operating System

Specialized features:

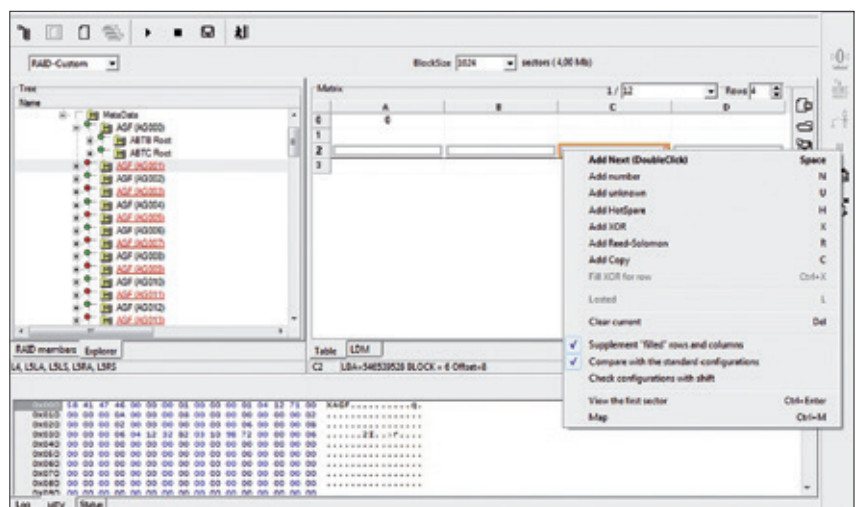
- ▶ Recovering data from redundant RAID arrays (block copies, XOR, Reed-Solomon)
- ▶ Checking the integrity of data for RAID arrays with redundancy
- ▶ Building various «Sub-maps» for specific RAID members



Determining the array configuration

Specialized features make it easier to determine the RAID configuration:

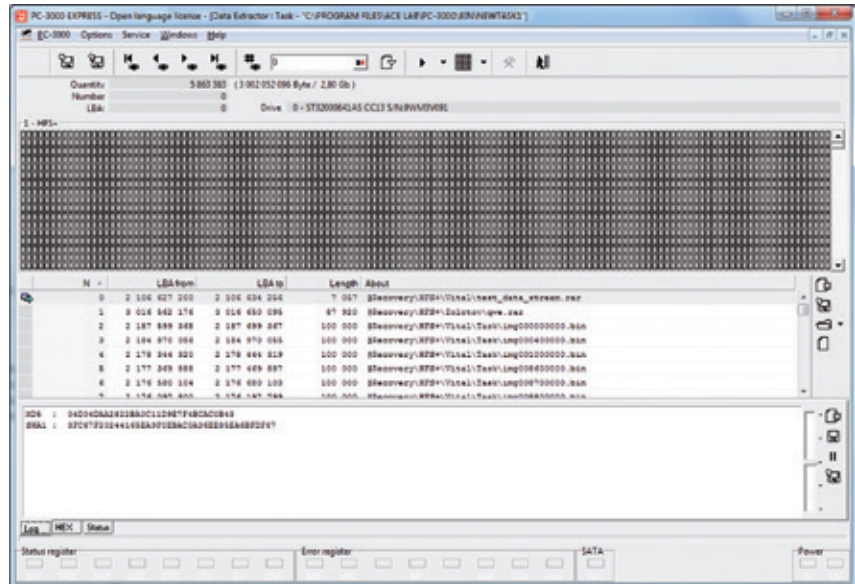
- ▶ Unique auto-detection mode based on the analysis of file systems and user data
- ▶ Powerful interactive mode helping to easily determine even the unusual configurations
- ▶ Flexible automatic operations enabling the user to monitor the current result
- ▶ Useful search tools help to define numerous RAID parameters (detecting the size, reviewing the file system structures, metadata with disk structure, analysis of the information from LDM, etc.)
- ▶ The possibility to determine the array parameters without any effect on the damaged HDDs





Working with damaged HDDs in RAIDs

The Data Extractor RAID Edition software can work with several damaged HDDs connected to the PC-3000 ports within one task at the same time. The total number of connected HDDs can be increased by using motherboard ports and image files.



Key features for working with damaged HDDs in RAIDs

- ▶ You can make a full or partial data copy from any HDD included in the RAID
- ▶ It is possible to create and use a virtual translator for any HDD in the RAID or the whole virtual RAID
- ▶ Efficient interaction with the specialized PC-3000 Utilities for HDDs connected to the PC-3000 ports (power supply management, reset commands, choice of reading command, work in technological mode, etc.)
- ▶ Redundancy usage with the purpose of data recovery from the damaged HDDs
- ▶ The possibility to skip a damaged HDD while determining the array configuration or to use the data taken from a copy
- ▶ Integrated logical analysis features that allow to read only the minimally necessary amount of data from the storage device, thus reducing the workload and increasing the chances of successful recovery
- ▶ Advanced features for working with SCSI and SAS storage devices (full control over reading parameters, choice of reading command, building the head map, etc.)

PC-3000 SSD

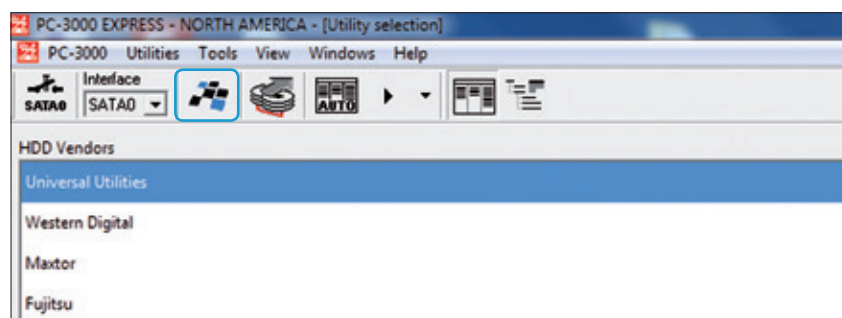
The leading-edge unique solution for recovering SSD in technological mode



The **PC-3000 SSD** is a professional software product which operates in tandem with one of the three up-to-date hardware-software systems – **PC-3000 Express** or **PC-3000 UDMA**. It is intended for restoring SSD and recovering data from damaged SSD.

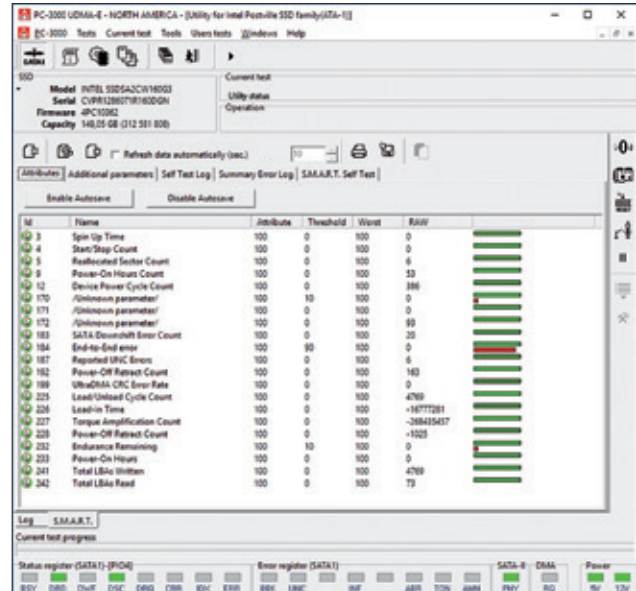
The PC-3000 SSD contains a set of specialized utilities to repair and recover solid-state drives based on different interface types (**SATA, PATA, mSATA, and M.2 (NGFF)**) manufactured by various vendors (**OCZ, Corsair, Crucial, RunCore, A-DATA, G.Skill, Micron, Plextor, Intel, Samsung, Seagate, SanDisk, Kingston, Smartbuy, Silicon Power, PNY, AMD, etc.**). These utilities enable to deeply diagnose SSDs, perform service operations, re-write the drive microcode, get a direct access to memory chips, carry out low-level formatting blocking the damaged cells and placing their addresses into the defect table, as well as perform many other useful operations.

The PC-3000 SSD is launched from the main window of the **PC-3000 Express** or **UDMA Systems** by clicking the button on the toolbar.



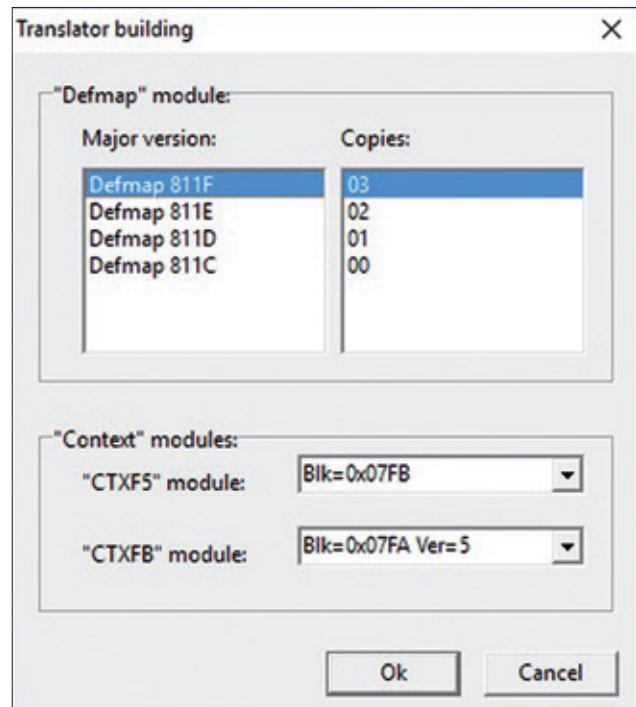
SSD Diagnosis and Repair

- ▶ 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



SSD Recovery

- ▶ 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



PC-3000 Flash (ver.4.0)

Fast, state-of-the-art solution with convenient automatic modes for the most efficient Flash recovery possible



The **PC-3000 Flash** is a professional hardware-software system intended for recovering data from all **NAND**-based devices (**USB Flash drives, SD, microSD, Memory Stick (MS), xD, MMC, CF, Voice Recorder, iPhone 2G, 3G, 3GS (without hardware encryption), Android (till 4.0 on TSOP-48 based devices), etc.** even if there is no access by regular means.

The PC-3000 Flash Reader ver.4.0 has a built-in power control adapter which allows to manage power supply for most adapters.

The PC-3000 Flash software is being constantly developed, providing the users with new opportunities to recover data from the most modern NAND-based drives.

Main advantages

- ▶ «One-click» solutions can be easily found in the PC-3000 Flash Global Solution Centre, where over 6300 efficient solutions are ready for you
- ▶ An extensive database of analysis and data recovery algorithms
- ▶ A large database of algorithms for bit error correction (ECC)
- ▶ Hardware Retries mode helping to read out damaged memory chips
- ▶ The unique opportunity to recover data from various monoliths
- ▶ Monolith Database
- ▶ Online services helping to update the resources and to find optimal solutions
- ▶ A group of experienced engineers ready to help with any Flash recovery case
- ▶ At forum.ancelaboratory.com, you can find a section dedicated to NAND data recovery technologies



The PC-3000 Flash Kit and adapters:



1. PC-3000 Flash Reader (ver.4.0)	– 1 pc.	5. Circuit Board adapter	– 1 pc.
2. TSOP-48 adapter	– 1 pc.	6. USB 2.0 Defender Cable	– 1 pc.
3. LGA/TLGA-52 (14x18) adapter	– 1 pc.	7. PC-3000 Flash software	– 1 DVD
4. BGA-152/132 adapter	– 1 pc.	8. User manual	– 1 book

Adapters sets – combo offers to save time and money

Monolith Set



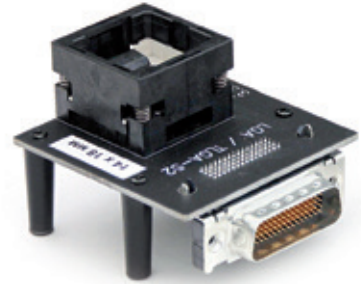
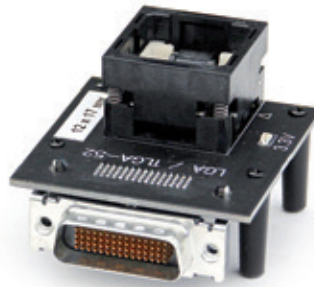
Extended Set



1. Multiboard Adapter	– 1 pc.	1. TSSOP-56 Adapter	– 1 pc.
2. Monolith Module	– 2 pc.	2. VBGA-100 Adapter	– 1 pc.
3. LGA-52/TSOP-48 Module	– 1 pc.	3. LGA/TLGA-52 [12x17] Adapter	– 1 pc.
4. BGA-152/VBGA-100 Module	– 1 pc.		
5. Card Adapter	– 1 pc.		

LGA/TLGA-52 (14x18) adapter

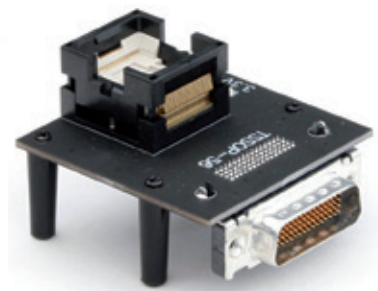
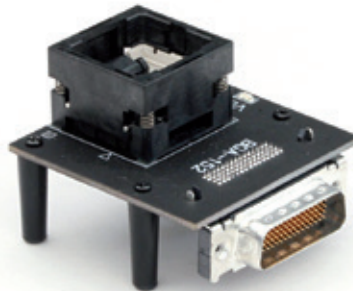
LGA/TLGA-52 (12x17) adapter



TSOP-48 adapter

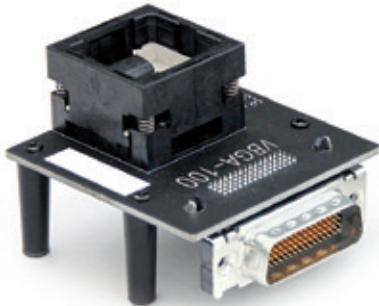
BGA-152/132 adapter

TSSOP-56 adapter



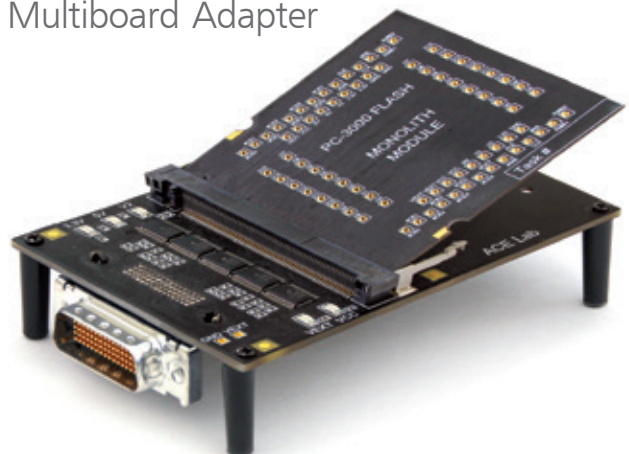
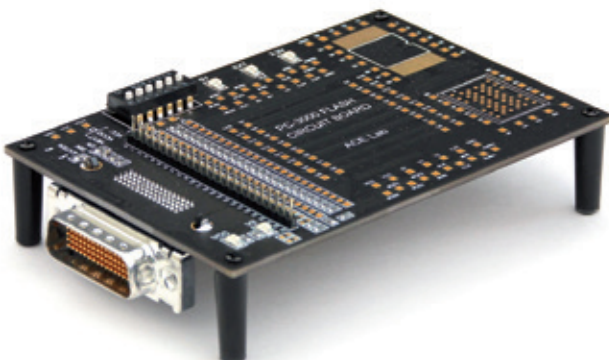
VBGA-100 adapter

Card Adapter



Circuit Board Adapter

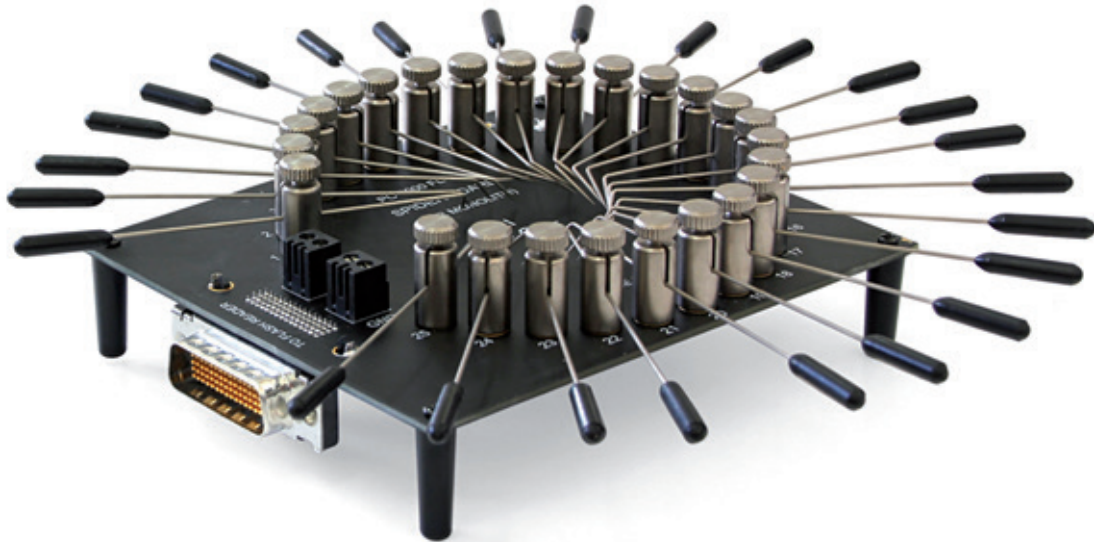
Multiboard Adapter





Spider Board Adapter

Change-maker in monolith recovery. Minimal Soldering & minimal risk.



With this adapter, data recovery from NAND-based devices has become much easier and safer. To power up the monolith, you will now need a few hours instead of days of your work on precise and painstaking soldering. So you will be able to service much more devices with the Spider Board Adapter.

The main features of the Spider Board Adapter

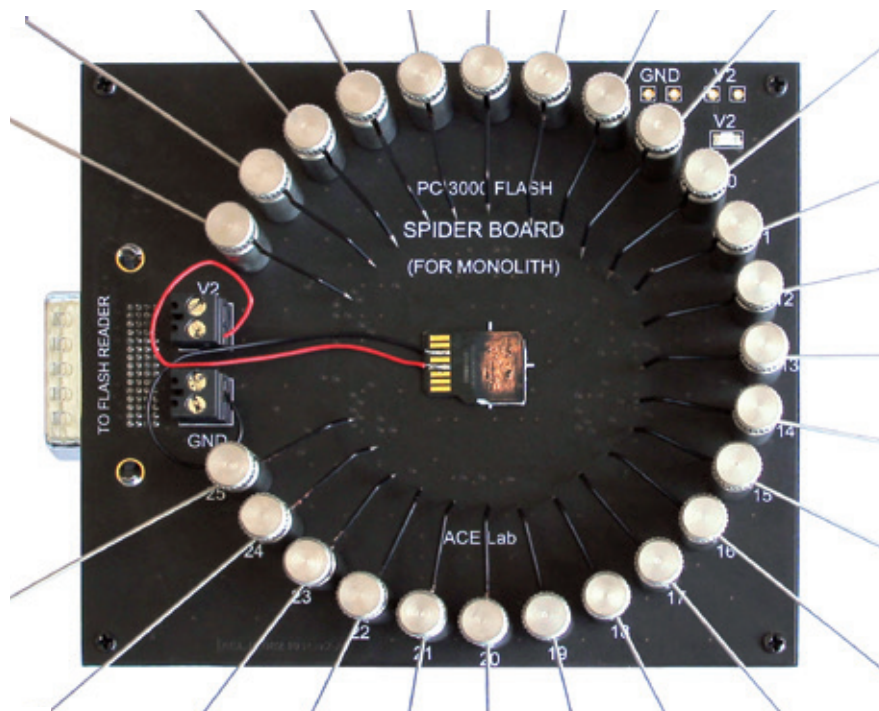
- ▶ Doesn't require soldering to the technological pinouts, which saves time, reduces the risk and makes monolith recovery process convenient like never before
- ▶ 25 specialized needles will enable you to find a convenient way of connecting to pinouts, no matter how they are located
- ▶ GND and VCC pins are fixed by screw connectors for convenient usage
- ▶ The adapter is developed specifically for using with microscope

With the Spider Board Adapter it is possible to



- ▶ Fine-tune the connectors on the software level
- ▶ Save the previous pinout settings in a file to use on similar cases
- ▶ Constant 5V or controlled by VCC (1.8 V-3.6 V) power supplies
- ▶ Control the adapter power supply via software
- ▶ Recover data from partially damaged SD and MicroSD cards as a fully functional Card Adapter

NAND-based devices supported: **MicroSD, SecureDigital, UFD, MemoryStick.**



Minimal soldering is required to power up the monolith.
Pinout connection is performed via 25 needles.

Professional Technical Support

Highly qualified engineers to help you with any data recovery cases



Getting the high-end professional solution is the first step. The second extremely important step is getting the appropriate professional support to use the PC-3000 Systems as efficiently as possible. We guide you through the PC-3000 technologies helping to develop your skills in solving the widest range of data recovery cases.

Even if all methods you've tried have failed, do not hesitate to contact **ACE Laboratory Technical Support** to solve a difficult case. Most customers know that contacting ACE Lab Technical Support is the last hope of recovering data in difficult

cases when other techniques and methods have proven ineffective. This shows our professionalism, outstanding efficiency, customers' trust and our true care for customers' needs.

ACE Lab Technical Support includes

- ▶ Professional consultations by ACE Lab engineers via the CRM Ticket System
- ▶ Live Chat communication
- ▶ Team Viewer assistance by ACE Lab engineers
- ▶ Regular software updates containing new unique features that no other tools have
- ▶ Access to the Knowledge Base

Support Time
Frame

14 hours

More information at
www.ancelab.eu.com & ts.ancelaboratory.com

FREE helpful online resources

- ▶ ACE Lab Blog with much-needed video tutorials and interesting articles: blog.ancelaboratory.com
- ▶ ACE Lab Forum, where you can share your knowledge and opinions with experienced PC-3000 users and with ACE Lab engineers: forum.ancelaboratory.com
- ▶ Our YouTube channel with useful video tutorials:
www.youtube.com/user/PC3000datarecovery

Professional Training

A rapid way to data recovery mastership

These days, every prominent professional data recovery company is familiar with the PC-3000 technologies and is successfully using PC-3000 products in its daily business. In-depth knowledge of the PC-3000 has become a requirement for every qualified data recovery specialist.

We are ready to share our knowledge, experience and skills accumulated over the last 25 years with everybody who is involved in data recovery.



Training class in Prague, Czech Republic

Why PC-3000 Training?



Training class in Norwalk, USA

- ▶ Three-day training can substitute for several months of persistent self-study in the PC-3000 technologies
- ▶ Efficient combination of theoretical knowledge and practical cases of data recovery
- ▶ Individual approach to every student
- ▶ The biggest vendor-provided hi-tech training classroom with specially equipped workplaces for data recovery specialists
- ▶ Official certificates upon completion of the courses
- ▶ Bundle offers and bonuses for getting the training, products and service at once

Types of ACE Lab training seminars

Basic training

- ▶ PC-3000 HDD Data Recovery Expert Training (3 days)
- ▶ PC-3000 Flash Data Recovery Expert Training (3 days)
- ▶ PC-3000 SSD Data Recovery Expert Training (1 day)
- ▶ PC-3000 Monolith Data Recovery Expert Training(1-day)

Advanced training

- ▶ PC-3000 HDD Data Recovery Advanced Training (2 days)
- ▶ PC-3000 Flash Data Recovery Advanced Training (3 days)
- ▶ PC-3000 RAID Data Recovery Advanced Training (4 days)



Training class in Rostov-on-Don, Russia

More information at www.aceLab.eu.com/data-recovery-training.php

Professional Conferences

Latest technological know-how at first hand

You are always welcome to our Conferences and Meetups!

- ▶ The latest and advanced techniques shared directly by the ACE Lab developers and top engineers
- ▶ Tons of tips and tricks and even ready-to-use solutions
- ▶ Asking questions directly to the ACE Lab top engineers
- ▶ Networking with data recovery peers
- ▶ Sharing experience in the data recovery community

If you are interested in being the first to learn the latest breakthrough in data recovery and staying on the cutting edge of technologies, check the date of our next event in the News section on our website.



ACE Lab Team

Bright minds creating technologies for you



Our team on the 25th of April 2017
25th Anniversary of ACE Lab group

The ACE Lab company has an experienced team of more than 75 smart, driven people who care a lot about perfecting everything we do. Technological prowess, innovative non-standard thinking, and hard work help us to reach our main aim – provide our valued customers with the best professional solutions.

And for the last 25 years we have proved we can really do it.

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