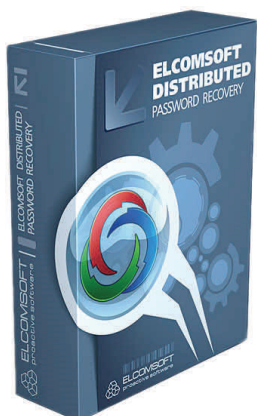


## Elcomsoft Distributed Password Recovery



### High-Performance Distributed Password Recovery

*Break complex passwords, recover strong encryption keys and unlock documents in a production environment. Elcomsoft Distributed Password Recovery is a high-end solution for forensic and government agencies, data recovery and password recovery services and corporate users with multiple networked workstations connected over a LAN or the Internet. Featuring unique acceleration technologies and providing linear scalability with no overhead, Elcomsoft Distributed Password Recovery offers the fastest password recovery by a huge margin, and is the most technologically advanced password recovery product currently available.*

#### Feature highlights:

- hardware acceleration reduces password recovery time by a factor of 50
- support for NVIDIA CUDA cards, AMD and Tableau TACC1441 hardware accelerators
- linear scalability with no overhead allows using up to 10,000 workstations without performance drop-off
- broad compatibility recovers document and system passwords to various file formats
- plug-in architecture allows for additional file formats
- flexible queue control allows easy job management
- storing all passwords that have been discovered (password cache)

#### Hardware Acceleration

ElcomSoft has pioneered many software innovations that have made it easier to recover lost passwords from the operating system, Microsoft Office products, Adobe PDF files, Intuit Quicken, OpenOffice and a variety of other applications. The latest development revolutionizes the speed of password recovery without requiring expensive hardware.

Elcomsoft Distributed Password Recovery employs a revolutionary, patented technology to accelerate password recovery when a compatible NVIDIA or AMD graphics card is present in addition to the CPU-only mode. Currently supporting all GeForce 8, 9, 100, 200, 400-series GPUs and AMD up to 7000-series GPUs (support for different algorithms may vary), the acceleration technology offloads parts of computational-heavy processing onto the fast and highly scalable processors featured in the latest graphic accelerators.

The acceleration technology developed by ElcomSoft allows the execution of mathematically intensive password recovery code on the massively parallel computational elements found in modern graphic accelerators. The GPU acceleration is unique to Elcomsoft Distributed Password Recovery, making password recovery up to fifty times faster compared to password recovery methods that only use the computer's main CPU. In addition, Distributed Password Recovery also supports Tableau TACC1441 hardware accelerators.

#### Broad Compatibility

Elcomsoft Distributed Password Recovery supports a variety of applications and file formats, allowing password recovery from Office documents, Adobe PDF files, PGP disks and archives, personal security certificates and exchange keys, MD5 hashes and Oracle passwords, Windows and UNIX login passwords.

Applications supported in EDPR are reflected in the table below:

Application family	Applications	Extensions	Type of recovery	Password types	Hardware Acceleration
Microsoft Office 2007, 2010	Word, Excel, PowerPoint, Project, Access, Microsoft OneNote	.DOCX, .XLSX, .PPTX, .MSPX, .ACCDB, .ONE	password	file opening password	NVIDIA AMD Tableau
Microsoft Office XP/2003, 97/2000	Word, Excel, PowerPoint	DOC, .XLS, .PPT	password	"open" password only	-
Microsoft Office 97/2000	Word, Excel	.DOC, .XLS	key	"open" password only - guaranteed decryption	-
OpenDocument (OpenOffice, StarOffice etc.)	word processing (text) documents, spreadsheets, presentations, graphics/drawing, formulae, mathematical equations	.ODT, .OTT, .SXW, .STW, ODS, .OTS, .SXC, .STC, .ODP, .OTP, .SXI, .STI, .ODG, .OTG, .SXD, .STD, .ODF, .SXM	password		NVIDIA AMD
	Microsoft Money	.MNY	password		-
	Intuit Quicken	.QDF	password		-
PGP and Open-Key Passwords	PGP zip archives (1), PGP secret key rings,, PGP self-decrypting archives, Personal Information Exchange certificates - PKCS #12	.PGP, .SKR, .EXE, .PFX, .P12	password		-
PGP and Open-Key Passwords	PGP disks with conventional encryption, PGP whole disk encryption	.PGD,	password		NVIDIA
TrueCrypt	Disk encryption, encrypted containers		password		NVIDIA
BitLocker (To Go)	Disk Encryption		password		NVIDIA, AMD
	MD5 hashes		password	plaintext passwords	NVIDIA
Adobe Acrobat PDF	PDF with 256-bit/128-bit/40-bit encryption	.PDF	password	"user" and "owner" password	-
Adobe Acrobat PDF	PDF with 40-bit encryption	.PDF	key	"user" password - guaranteed decryption	-
System Passwords	Microsoft Windows NT, 2000, XP, 2003, Vista		password	logon passwords (LM/NTLM)	NVIDIA
System Passwords	Microsoft Windows		password	SYSKEY startup passwords	-
System Passwords	Microsoft Windows		password	DCC (Domain Cached Credentials) passwords	NVIDIA
System Passwords	UNIX		password	users' passwords	-
System Passwords	Wireless networks		password	WPA and WPA2 passwords	NVIDIA, AMD, Tableau
	Lotus Notes	.ID	password	ID files	NVIDIA, AMD
	Oracle		password	users' passwords	-
	TheBat!	masterkey.dat, .TBK	password	master passwords, backup passwords	-
	Mozilla, FireFox, Thunderbird		password	master passwords	-
iPhone /iPod/iPad backup	iTunes		password		NVIDIA, AMD, Tableau
BlackBerry backup	BlackBerry Desktop Software	.IPD, .BBB	password		NVIDIA, AMD, Tableau

#### System requirements for EDPR

- Supported Operating Systems: Windows 2000, Windows 7 (32, 64 bit), Windows 98/XP, Windows Server 2003/2008, Windows Vista (32, 64 bit)
- Supported NVIDIA products: 8, 9, 100, 200, 400-series GPUs; Quadro cards; ION products; Tesla k10 / 20-series GPU computing products
- Supported AMD products: up to 7000-series cards (support for different algorithms may vary); FirePro and FireStream
- Supported hardware accelerators: Tableau TACC1441

#### More info about EDPR at:

<http://www.elcomsoft.com/EDPR.html>

## About ElcomSoft Co. Ltd.

ElcomSoft Co.Ltd. is a global industry-acknowledged expert in computer and mobile forensics providing tools, training, and consulting services to law enforcement, military, and intelligence agencies in criminal investigations. ElcomSoft has products that are affordable to individual consumers, and enterprise-grade products optimized for recovering passwords with clusters of network-connected workstations. The company's zero overhead algorithms ensure linear performance growth in even the largest networks.

### GPU acceleration for faster processing

ElcomSoft pioneered many password recovery and information security technologies and algorithms and now patented technological innovations set industry standards. The company has five US patents granted, and several pending. Our trademarks and copyrights are duly registered and protected. ElcomSoft's patented innovations include *GPU acceleration* allowing to perform password recovery up to 20 times faster compared to Intel top of the line quad-core CPUs by using consumer - grade video cards with ATI or NVIDIA chips. *Thunder Tables®*, yet another patented technology, ensures guaranteed recovery of password-protected Microsoft Word and Microsoft Excel documents in just *seconds* instead of hours or days.

### Our customers are our most valuable assets

ElcomSoft products are used by hundreds of thousands of happy customers, with many clients returning to purchase other products from us. We serve government and commercial organizations, including security departments, IT security audit departments and independent security professionals, as well as help desks of major corporations.

Our solutions are used by most of the Fortune 500 corporations, multiple branches of the military all over the world, governments, forensics and intelligence services in many countries including FBI, NSA/CSS, The Federal Security Service of the Russian Federation (FSB), as well as all major accounting companies. ElcomSoft supplies law enforcement and criminal investigation departments with password recovery tools, and helps legal authorities fight cyber-crime by providing consulting and sharing its technological expertise in information security.

### Acknowledged by computer security experts

ElcomSoft products have become de-facto industry-standard, are studied in training sessions, and are covered in textbooks. Our products are part of the *Certified Ethical Hacker* initiative, a program that certifies the skills of security officers and consultants, auditors, site administrators, and professionals concerned about information security and the integrity of the network infrastructure.

ElcomSoft is an acknowledged expert in the password / system recovery and forensics market. The company's technological achievements and opinion leadership is quoted in many authoritative publications. For example: "*Microsoft Encyclopedia of Security*", "*The art of deception*" (by Kevin Mitnick), "*IT Auditing: Using Controls to Protect Information Assets*" (by Chris Davis), "*Hacking exposed*" (by Stuart McClure). Here is an incomplete list of other publications:

- Hacking For Dummies by Kevin Beaver
- Practical Intrusion Analysis: Prevention and Detection for the Twenty-First Century by Ryan Trost
- FISMA Certification & Accreditation Handbook by L. Taylor
- Computer Network Security: Theory and Practice by Jie Wang
- A+ Certification Study Guide, Sixth Edition by Jane Holcombe, Charles Holcombe
- Investigating Digital Crime by Robin P. Bryant
- Security Engineering: A Guide to Building Dependable Distributed Systems by Ross J. Anderson
- Network Know-How: An Essential Guide for the Accidental Admin by John Ross
- Hacking Exposed: Network Security Secrets and Solutions, Sixth Edition by Stuart McClure, Joel Scambray, George Kurtz

ElcomSoft is **Microsoft® Gold Independent Software Vendor**, **Intel® Software Premier Elite Partner**, member of **Russian Cryptology Association (RCA)** and **Computer Security Institute**. ElcomSoft is registered with DUNS and CCR/CAGE.

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## Government & Commercial Registrations

- D-U-N-S® Number: 534889845
- NATO Commercial and Government Entity (NCAGE, also CAGE) Code: SCM11
- Central Contractor Registration (CCR): Visit [www.bpn.gov](http://www.bpn.gov) and enter our NCAGE or DUNS number.

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