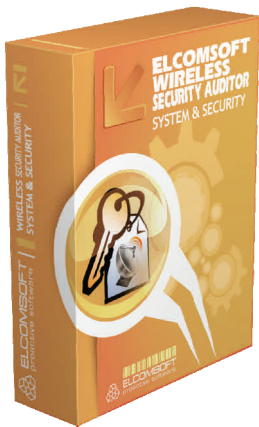


Elcomsoft Wireless Security Auditor



Feature highlights:

- Determine how secure your wireless network is
- Test the strength of WPA/WPA2-PSK passwords protecting your wireless network
- Save time with patented GPU acceleration technology when one or more compatible NVIDIA or AMD video cards are present
- Hardware acceleration on Tableau TACC1441 hardware
- Run advanced dictionary attacks with highly configurable variations
- Perform attacks from inside or outside of your network

Examine Wireless Network Security

Elcomsoft Wireless Security Auditor allows network administrators to verify how secure a company's wireless network is by executing an audit of accessible wireless networks. Featuring patented cost-efficient GPU acceleration technologies, Elcomsoft Wireless Security Auditor attempts to recover the original WPA/WPA2-PSK text passwords in order to test how secure your wireless environment is.

How Secure Is Your Wireless Network?

A single weak link poses a valid security threat to the entire corporate network. Wireless (Wi-Fi) networks can provide sufficient security if configured properly and accompanied by an adequate password policy. Elcomsoft Wireless Security Auditor exposes security problems in your wireless network to allow network administrators taking appropriate measures and adopting a proper password policy.

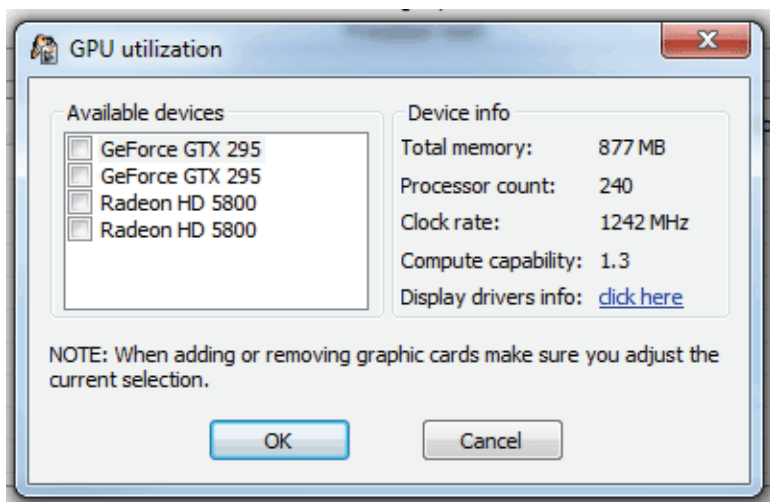
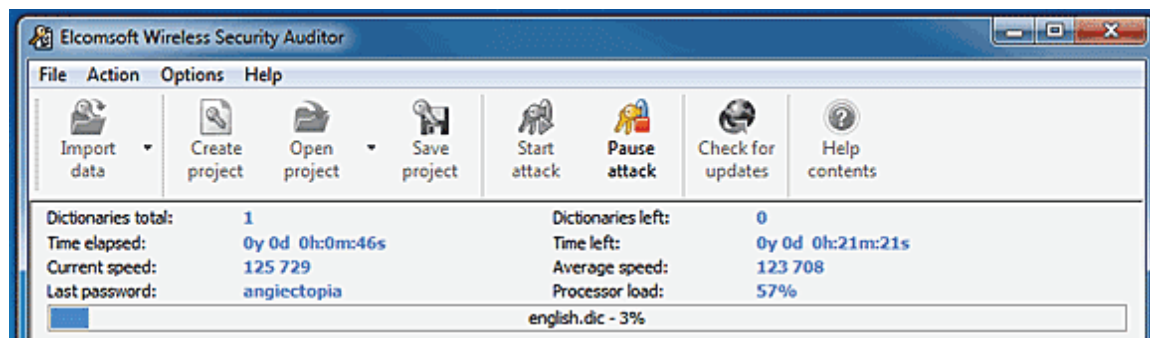
Wireless Network Security Audit

Elcomsoft Wireless Security Auditor examines the security of your wireless network by attempting to break into the network from outside or inside. Elcomsoft Wireless Security Auditor works completely in off-line, undetectable by the Wi-Fi network being probed, by analyzing a dump of network communications in order to attempt to retrieve the original WPA/WPA2-PSK passwords in plain text.

Elcomsoft Wireless Security Auditor allows carrying out a password audit within a limited timeframe. Representing state-of-the-art in password recovery, Elcomsoft Wireless Security Auditor is one of the fastest and most advanced tools for recovering Wi-Fi passwords. If Elcomsoft Wireless Security Auditor fails to recover a Wi-Fi password within a reasonable time, the entire wireless network can be considered secure.

GPU Acceleration

ElcomSoft has pioneered many software innovations that have made it easier to recover passwords protecting various types of resources. For the first time in the industry, the company's patented GPU acceleration makes its way into Wi-Fi password recovery, reducing the time required to recover Wi-Fi passwords up to a hundred times. Supporting several NVIDIA boards such as GeForce, Quadro, or Tesla, as well as AMD video cards such as Radeon HD 4000-, 5000-, 6000-, or 7000-series, Elcomsoft Wireless Security Auditor allows building servers with supercomputer performance at a fraction of the price.



System requirements for EWSA

- Supported Operating Systems: Windows 2000, Windows 7 (32, 64 bit), Windows 8 (32, 64 bit), Windows Server 2003/2008, Windows Vista (32, 64 bit), Windows XP
- About 6 MB of free space on hard disk
- WPA/WPA2 password hash(es) in any format supported by the program (e.g. tcpdump)
- At least one of supported NVIDIA or AMD cards is recommended

More info about Elcomsoft Wireless Security Auditor at:
<http://www.elcomsoft.com/EWSA.html>

Types of Attacks

Elcomsoft Wireless Security Auditor performs an advanced dictionary search attack in order to expose weak passwords consisting of words and phrases in spoken languages. Allowing highly customizable mutations of ordinary dictionary words, Elcomsoft Wireless Security Auditor performs hundreds of mutations to each word in order to ensure the widest coverage.

Compatibility with Other Elcomsoft Products

If one of your network workstations is compromised and a malicious person gets network access to at least one system, it may not even be necessary for an attacker to be physically close to the wireless network in order to obtain full access to data sent and received. A password hash is normally stored in the Windows Registry, and can be retrieved remotely for off-line analysis.

Elcomsoft Wireless Security Auditor can simulate attacks from the inside by automatically importing saved password hashes as retrieved by Elcomsoft Proactive System Password Recovery. This kind of attacks allows determining how secure your wireless network is to insider attacks.

Licensing: one registered copy of this software may be used by a single person who uses the software personally on one or more computers, or it may be installed on a single workstation used non-simultaneously by more than one person, but not both. This software may be installed on a network server, provided that a separate, appropriate license to use this software has been granted by ElcomSoft for each computer terminal having access to this software.



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 and enter our NCAGE or DUNS number.

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