# Symantec™ Endpoint Encryption Full Disk Edition

Advanced encryption solution for fixed storage on desktops and laptops

**Data Sheet: Encryption**

## Overview

Data stored in an unprotected state on your laptop and desktop PCs puts your organization at risk of becoming the next data breach headline. Only strong encryption of all data on hard disks counters the threat of losing critical intellectual property, customer and/or competitive information and provides a safe harbor from the high-profile public disclosures and costly remediation mandated by privacy laws.

To protect mobile data from the risks of loss or theft of a laptop or desktop, enterprises not only need the security provided by strong encryption, but also a standards-based solution to the practical issues that organizations encounter when deploying endpoint data protection.

Symantec™ Endpoint Encryption Full Disk Edition reduces management, implementation, and deployment costs by allowing organizations to make maximum use of existing IT infrastructure. This includes native integration with Microsoft® Active Directory along with single console support for Active Directory, Novell eDirectory™, and non-domain endpoints. By leveraging industry standards, Symantec makes endpoint data protection across the entire organization simple to deploy and cost-effective to manage.

This mature solution builds on over 14 years of experience in creating and deploying hard disk encryption products. It delivers strong encryption as well as transparent operation to end users, pre-boot authentication, single sign-on integration, multiple user/administrator support, and a rich administrative and management environment. Endpoint Encryption Full Disk Edition also provides extensive token card and reader support for extended access security with multifactor authentication.

## Key features

- True full disk encryption for multiple fixed disks and multiple partitions on Microsoft Windows® and Mac® computers
- Full featured pre-boot authentication environment
- Management of Opal 1.0 compliant hard drives (self-encrypting drives)
- Industry leading scalability and availability
- Superior admin-assisted or self-service Authenti-Check™ recovery from lost passwords
- Secure unattended wake-on-LAN administrative access
- Single sign-on integration—Microsoft and Novell®
- Transparent user operation—including initial encryption and ongoing operation

## Technology overview

Endpoint Encryption Full Disk Edition combines enterprise class management and strong encryption of Windows and Macintosh computers with a complete feature set, exceptional ease of use and ease of support. The result is a comprehensive, standards-based solution for protecting data from the loss or theft of a laptop or desktop. Native Microsoft Active Directory integration results in policies that are easily managed and deployed via group policy objects (GPO) and can be granularly applied against groups, domains, organizational units, and other Active Directory management structures. Software deployment and updates are performed with standard system tools (Altiris™, Microsoft® System Center Configuration Manager, and Active Directory). Novell eDirectory and non-domain endpoint support ensures management of endpoint encryption for any PC on your network from a single console shared with other data protection security services and includes the capability to seamlessly migrate across

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network domains with no gaps in data security administration.

## Technical information

### *Client environment*

- No additional log-on required
- High performance encryption
- Secure client/server communications
- Power failure protection for computers without a battery or backup power source during initial encryption

### *Pre-boot authentication*

- Microsoft and Novell single sign-on integration
- Password authentication, including multifactor authentication
- SecureWake on LAN capability for seamless operation with enterprise patch and update management tools
- Lockout on maximum time-since-last-check-in exceeded
- Password entry delay on failed password attempt threshold
- Multiple user and administrator accounts (up to 1,024 each)

### *Encryption*

- Full disk or multi-partition including: master boot record, operating system and system files, swap/hibernation files
- Supports multiple fixed drives
- 256 or 128-bit Advanced Encryption Standard (AES)
- Federal Information Processing Standards (FIPS) 140-2 validated cryptographic library, Common Criteria Evaluation Assurance Level (EAL) 4+ certified

### *Native Active Directory integration*

- Deploy and manage with existing infrastructure
- Low training and support costs, fast rollouts
- GPO-based policy deployment
- Microsoft Management Console snap-in architecture

- Role based policy administration
- Detailed auditing and reporting

### *Administrative tools*

- Remotely disable authentication of a targeted user
- Hard drive access tool to allow operating system repair
- Integrated with forensic data recovery tools to retrieve data from crashed or evidential hard drives (Guidance EnCase® Forensics)
- Remote, one-time password capability
- Integration with enterprise-grade deployment tools such as Altiris, Microsoft System Center Configuration Manager, Novell ZENworks®, and IBM Tivoli®
- Real-time audit logging

### *Endpoint Encryption platform*

- Native Microsoft Active Directory integration
- Support for Novell eDirectory and for non-domain computers
- Single console for Active Directory, eDirectory and other computers
- Common administration and management with other Endpoint Encryption components
- Supports Windows and Mac computers
- Unified auditing and reporting environment
- Includes both standard reports and a GUI-based tool for building ad-hoc queries
- Secure client/server communications
- Minimal intrusion into existing user workflows and operation

## Recovery from lost passwords

- Simple and secure access to encrypted PCs in the event of lost passwords with self-service or admin-assisted recovery

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## Client computers

- Windows 7 (32 and 64-bit) Professional, Enterprise, and Ultimate
- Windows Vista® (32 and 64-bit) Business, Enterprise, and Ultimate
- Microsoft Windows XP® Pro (32 and 64-bit)
- Windows XP Tablet Edition
- Windows 2000 Professional SP4
- Mac OS® X 10.6.5 and 10.6.8

### Endpoint Encryption management server

- Microsoft Windows Server® 2008 (32- and 64-bit) Standard or Enterprise
- Microsoft Windows Server 2003 Standard or Enterprise

## Database

- Microsoft SQL Server® 2008 (32 and 64-bit), Express Edition with Advanced Services, Standard or Enterprise
- Microsoft SQL Server 2005, Express Edition with Advanced Services, Standard or Enterprise

### Advanced authentication integration

- Certificate based user authentication
- Pre-boot environment multi-factor authentication
- Pre-boot token and smart card support for Common Access Card (CAC), Personal Identity Verification (PIV), Common Access Card Next Generation (CAC NG), Transitional Personal Identity Verification (PIV), Government Smart Card Interoperability Specification (GSC-IS) 2.1, RSA (Rivest, Shamir and Adleman), and Aladdin®
- Extensive support for readers and tokens
- Public Key Infrastructure (PKI) interoperability

## More Information

### Visit our website
http://enterprise.symantec.com

### To speak with a Product Specialist in the U.S.
Call toll-free 1 (800) 745 6054

### To speak with a Product Specialist outside the U.S.
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Symantec is a global leader in providing security, storage, and systems management solutions to help consumers and organizations secure and manage their information-driven world. Our software and services protect against more risks at more points, more completely and efficiently, enabling confidence wherever information is used or stored. Headquartered in Mountain View, Calif., Symantec has operations in 40 countries. More information is available at www.symantec.com.

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