

McAfee Laptop and Removable Media Security Solutions

Comprehensive protection for mobile information



Solution Advantages

- Reduce total cost of ownership by deploying and managing an integrated solution from a single vendor
- Simplify security management using the McAfee ePO console for centralized deployment, management, policies, monitoring, auditing, and reporting
- Easily enforce company-wide security policies and meet regulatory compliance requirements
- Ensure data integrity, consistent security, and business continuity with comprehensive protection
- Secure data on devices including PCs, laptops, tablets, PDAs, and USB devices
- Extend protection to more types of data, including customer information, employee records, intellectual property, and confidential business documents
- Guarantee availability with single sign-on capability and secure offline user recovery
- Leverage existing systems and share security benefits across the entire IT infrastructure

Data protection is the number one priority for CISOs¹ in many industries as they attempt to prevent information loss and maintain business continuity. New security policies and procedures are requiring organizations to take unprecedented steps to protect a broader scope of data, including customer and credit card data, intellectual property, legal and financial records, and employee communications. And action must be taken to make data available yet secure, regardless of how it is used, stored, or transferred.

Though economic conditions are forcing businesses to operate prudently, protection against data loss and security compliance cannot be overlooked. That's why organizations need a proven security solution that will reduce the total cost of ownership, leverage existing resources, and optimize current processes.

Leading the Way with In-Depth Defense

As a recognized industry leader in mobile data protection, McAfee is focused on helping companies reduce the cost and complexity of security by automating their approach to data defense. The McAfee® Endpoint Encryption solution addresses all areas of endpoint encryption in an integrated, yet modular way. Offering every form of encryption, removable media protection, and data loss prevention, McAfee helps companies achieve persistent security without requiring multiple vendors or point products.

Centralized Management

The McAfee Endpoint Encryption suite of products leverages the award-winning McAfee ePolicy Orchestrator® (McAfee ePO™) infrastructure for centralized security deployment, management, policy administration, monitoring, reporting, and auditing. It can be integrated with other McAfee products, as well as existing enterprise systems, easing deployment and reducing costs.

Complete Endpoint Encryption

The McAfee Endpoint Encryption suite provides multiple layers of defense against unauthorized access and data loss with several integrated modules that address specific areas of risk. The solutions provide protection for full disk, file/folder, mobile, virtual disk, removable media, and USB, and include centralized management capabilities. These solutions can be used separately or together with the McAfee ePO management platform.

1. 2007 Merrill Lynch survey of CISOs

Key Advantages

- Prevent exposure and loss of data from missing or stolen equipment
- Encrypt data transparently, without interrupting users
- Ensure consistent protection across devices

Key Advantages

- Ensure that files stay encrypted as they are moved or shared
- Provide key-sharing mechanisms that allow users to share files securely
- Scale to support a virtually unlimited number of users

Key Advantages

- Prevent unauthorized access and data exposure on removable devices and media
- No software installation is required in order to read and work with encrypted data on the protected media
- Hardware independent—even the least expensive media can be protected

Key Advantages

- Encrypt standard application databases: contacts, calendar, tasks, and more
- Protect emails and sensitive data stored on the device
- Automatically authenticate users and encrypt information transparently

McAfee Endpoint Encryption for PC

McAfee Endpoint Encryption for PC prevents exposure and loss of sensitive data on laptops and desktops even if the equipment is lost or stolen. The solution uses strong access control with preboot authentication and government-certified algorithms to encrypt data on endpoints. Encryption and decryption are transparent to the user and performed “on-the-fly,” without hindering system performance.

Administrators can easily implement and enforce security policies that control how sensitive data is encrypted—monitoring real-time events and generating reports to demonstrate compliance with internal and regulatory requirements.

McAfee Endpoint Encryption for File/Folder

McAfee Endpoint Encryption for File/Folder automatically protects files and folders wherever they are. It uses strong access control and powerful encryption to prevent unauthorized access to information assets, whether stored on desktops, laptops, mobile devices, network servers, or removable storage media.

As files are shared throughout an organization or move across devices, administrators can specify what files, folders, or applications should be encrypted and can grant access to specific groups of users. No matter where files are saved or transferred, data remains encrypted on supported storage media using Persistent Encryption Technology™. Fully integrated with Microsoft Windows, the solution works behind the scenes, requiring no action from end users. It even prevents your own IT staff from viewing confidential files without authorization.

McAfee Endpoint Encryption for Removable Media

As an extension of McAfee Endpoint Encryption for File/Folder, McAfee Endpoint Encryption for Removable Media protects information saved on removable devices and media that can connect to enterprise endpoints with strong encryption. The solution allows the encrypted device to be used on any machine without installing any software or requiring administrator privileges. The solution also permits the editing and saving of files with retained encryption with no required software footprint. The data on devices can also be recovered if the user password is lost or forgotten.

The solution can be integrated with other McAfee encryption solutions, providing end-to-end data and device security and single sign-on capability. Administrators can manage security policies through a centralized console and can even synchronize policies with existing solutions, such as Microsoft Active Directory, Novell eDirectory, PKI, and others.

McAfee Endpoint Encryption for Mobile

McAfee Endpoint Encryption for Mobile protects data on smartphones running Windows Mobile. Combining strong user authentication and automatic encryption, it prevents unauthorized access to data on these devices, without disrupting the user.

Using a strong AES 256 FIPS-validated cryptographic algorithm, standard application databases such as contacts, calendars, and tasks are encrypted on the device. Users can choose to encrypt any folder, including those containing email messages. They can also control use of the device, such as preventing access to Bluetooth or outgoing calls when the user is not logged in. With single sign-on and portable authentication, users have easy yet secure access to information from their mobile devices.

Key Advantages

- Extend encryption capabilities to virtual environments
- Provide strong support for multiple devices, operating systems, and authentication methods
- Augment hard disk, content, and device-level encryption for added support

Key Advantages

- Provide data mobility without compromising security policies
- Control data access with strong, two-factor authentication
- Track and manage encrypted USB storage devices on a company-wide scale
- Added benefit of having McAfee anti-virus preloaded on some devices and optional on others

McAfee Endpoint Encryption for Virtual Disk

McAfee Endpoint Encryption for Virtual Disk allows organizations to extend encryption capabilities across virtualized environments, including shared platforms, networks, and devices. Organizations can define and encrypt personal virtual disks for employees that are fully portable and easily controlled.

The solution uses AES 256-level encryption and ensures consistency and secure portability across virtual environments, including desktop, mobile and removable media devices, and multiple operating systems. Authentication to virtual disks is provisioned via password, RSA token methods, and smartcard. If necessary, users can recover passwords and tokens remotely and securely.

McAfee Encrypted USB Devices

The portfolio of encrypted USB devices includes secure storage devices, advanced mobile desktop and virtualization platforms, and high-capacity hard disks. The devices offer a range of capacities and casings, and the devices run in “standalone mode” or are centrally managed via the McAfee ePO management platform. The solution allows IT departments to guard data copied and transported on these popular devices, which are vulnerable to loss and theft due to their small size and high storage capacity.

The solution incorporates built-in user access control, the highest levels of hardware-based encryption (AES 256) and certifications (FIPS), ensuring that sensitive data remains secure wherever it travels. No software installation or administrator rights are required—all that is needed is a USB port. And it works with many popular operating systems. Users can set a maximum number of password or biometric authentication retries to counter brute-force attacks, and it includes multiple recovery methods for regaining access to encrypted data.

Conclusion

The McAfee Endpoint Encryption suite of products delivers complete protection for all endpoints, in one modular, yet integrated, centrally managed solution. It helps organizations maintain data integrity and business continuity, even as threats become more pervasive. You can trust McAfee to provide security solutions that will let you stay focused on what you do best: running a successful business.

For more information about McAfee data protection solutions, please visit www.mcafee.com, or call us at 888.847.8766, 24 hours a day, seven days a week.

