



SAFENET DATASECURE

PRODUCT BRIEF

Benefits

Growth enabled—

- Pursue new business opportunities and forge new partnerships with the confidence that your critical information is persistently protected.

Data ownership defined—

- Maintain ownership of data throughout its lifecycle, wherever it resides.

Productivity empowered—

- Encrypt information transparently, without disrupting business operations, computing performance, or the end-user experience.

The increasing proliferation of data within retail, healthcare, manufacturing, financial services, energy, and government presents new challenges when it comes to protecting information. Organizations today need security solutions that keep sensitive information secure, however and wherever it is created, shared, stored, and accessed. They need solutions that will help ensure compliance with all regulations in their industry without adding IT complexity.

SafeNet data encryption and control solutions address these challenges by protecting information throughout its lifecycle, wherever it resides—from the data center to a wide array of computing endpoints and into cloud computing environments. SafeNet DataSecure appliances are the heart of all SafeNet data encryption and control solutions. Using hardware-based encryption, DataSecure appliances deliver the highest level of data security available in a commercial solution, covering the broadest variety of data types. This unified platform for data encryption offers key management and granular access control policies for databases, applications, mainframe environments, and individual files, simplifying administration, helping ensure compliance, and maximizing security.

Comprehensive protection

Flexible deployment options enable you to select the appliance that meets your processing and security-level needs now and in the future. Once you choose the appliance, you can select from a full range of SafeNet security products to build a comprehensive solution for data center and endpoint protection. Incorporate any of the following products into a solution based on DataSecure:

ProtectDB—Safeguard the sensitive corporate and customer information stored in databases.

ProtectApp—Lock down the credit card information, e-mail addresses, health records, or national IDs stored at the application layer.

ProtectZ—Protect mission-critical data and applications running in IBM mainframe environments.

Tokenization—Shield information without affecting application performance.

EdgeSecure—Bring security to the edge of the enterprise with strong key protection and centrally managed access policies for retail stores, remote locations, and branch offices.

ProtectFile—Secure the folders and files on servers, desktops, laptops, and removable media.

ProtectDrive—Apply full-disk encryption to the entire hard drive in laptops, workstations, and servers, as well as removable media.

Centralized management

Managing enterprise security can be a daunting task when you consider the various data types that need to be protected, the number of users that need to be authorized, and the challenges involved with enforcing security policies. The DataSecure appliance helps reduce

Technical Specifications

Performance

- AES, 3DES, DES, RSA (signatures and encryption), RC4, HMAC SHA-1 – SHA512, SEED

Asymmetric key sizes

- 512, 1024, 2048

Symmetric key sizes

- 40, 56, 128, 168, 192, 256

API support

- .NET, MSCAPI, JCE, ICAPI, PKCS#11

Network management

- SNMP (v1, v2, and v3), NTP, URL health check, signed secure logs & syslog, automatic log rotation, secured encrypted and integrity checked backups and upgrades, extensive statistics

System administration

- Secure Web-based GUI, secure shell (SSH), and console

Web and application servers supported

- Oracle, IBM, BEA, IIS, Apache, Sun ONE, JBoss, and more

Databases supported

- Oracle, Microsoft SQL Server, IBM DB2, Teradata

Mainframes supported

- IBM z/OS

File servers supported

- Microsoft, Red Hat Linux, CentOS Linux

Deployment options

DataSecure 400 Series

- 100,000+ encryptions/second, less than 100 microseconds latency
- 1U, rack mountable (H: 1.7"; W: 19"; D: 30")

DataSecure 100 Series

- 11,000+ encryptions/second, 250 microseconds latency
- 1U, rack mountable (H: 1.7"; W: 19"; D: 13")

the complexity of security administration by providing centralized management capabilities.

- **Key management:** With DataSecure, all cryptographic keys are kept in the centralized, hardened appliance to simplify administration while helping ensure tight security. Key versioning streamlines the time-consuming task of key rotation.

- **Policy management:** Administrators can set authentication and authorization policies that dictate which application, database, or file servers can be accessed by particular users in the clear. When combined with strong authentication, this policy-driven security provides a vital layer of protection. DataSecure also offers granular access controls to help you comply with the separation of duties required in many security mandates.

- **Logging, auditing, and reporting:** To reduce the cost and complexity of security management, DataSecure provides a single, centralized interface for logging, auditing, and reporting access to data and keys. A centralized mechanism increases security and helps you ensure compliance with industry mandates and government regulations.

Features

Comprehensive data protection — Achieve comprehensive protection with granular encryption for the database, application, drive, folder, or file level.

Centralized management — Simplify security administration, ensure regulatory compliance, and maximize overall security with centralized management of cryptographic keys and policies as well as logging, auditing, and reporting functions.

Multiple credentials — Establish separation of duties to prevent any one administrator from making critical configuration changes without additional approvals of other administrators.

Deployment options — Select an appliance to address entry-level needs or accommodate the highest level of cryptographic processing.

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