

SafeNet DataSecure 100 Series

Robust Performance and Security—at an Entry-Level Price

Key Features

Optimal Security-

Addresses a broad range of threats with capabilities for robust encryption, secure key management, segregation of duties, strong AAA support, and more- all with a FIPS 140-2 Level 2 and Common Criteria EAL2 compliant appliance.

Maximum Performance and Availability-

Offloads processing- intensive cryptographic functions from servers, and offers capabilities for processing over 11,000 encryptions per second.

Streamlined Implementation-

Integration is automated and transparent to applications; administration is intuitive; and because all keys and policies are managed on a centralized appliance, ongoing maintenance is streamlined.

For those looking to implement encryption of sensitive data in the enterprise, products from SafeNet® represent a comprehensive solution for deployment throughout your network. SafeNet DataSecure® offers the highest level of security available in a commercial solution that features breakthrough performance, high availability, and streamlined implementation.

With DataSecure, organizations can now enjoy:

- Optimal security, through an appliance that meets the highest standards of security certification, robust cryptography, and centralized key and policy management.
- Maximum performance and availability, through an appliance that offers the highest levels of throughput and responsiveness available.
- Streamlined implementation, through a single solution that features broad infrastructure coverage, automated deployment, and application transparency.

Optimal Security

Offering the highest level of security in a commercial encryption solution, the DataSecure 100 Series appliance is compliant with FIPS 140-2 Level 2 and Common Criteria Evaluation Assurance Level 2. DataSecure centralizes all cryptographic processing, key management, logging and auditing, and security policies on a single, hardened appliance, which maximizes overall security.

DataSecure offers a range of robust security features:

- Capabilities for segregating administrative duties so key controls are shared among multiple administrators.
- Secure, multi-factor authentication and access control between databases and servers and the DataSecure appliance.

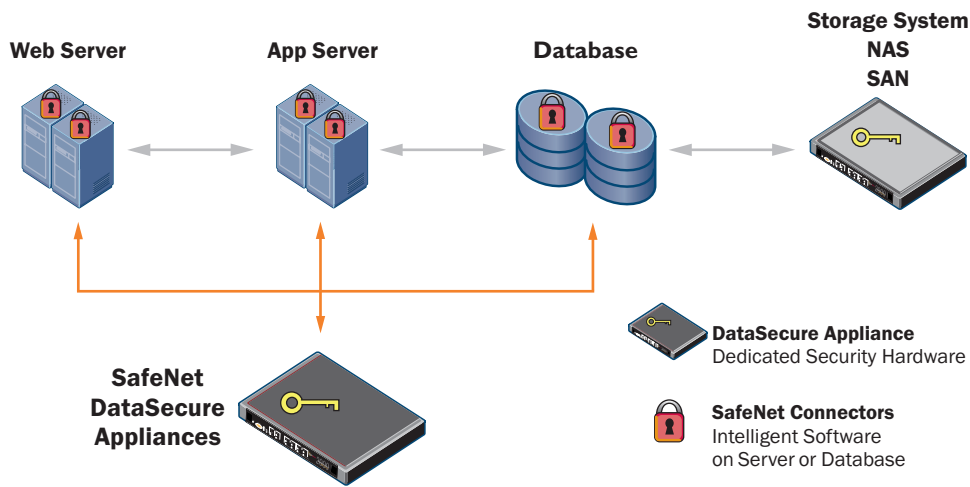


- Granular authorization capabilities that enable constraints to be placed on user operations based on specific key permissions.
- Active alerting capabilities so that, if attempts to breach protected data occur, mechanisms are employed to alert administrators.
- Comprehensive backup and restore functionality and disaster recovery features.
- Support for AES, 3DES, RSA, HMACSHA-1, and other cryptographic algorithms.

Maximum Performance and Availability

DataSecure centralizes all cryptographic processing on a highly specialized appliance that delivers performance robust enough for the most demanding batch processing and high-volume online transaction processing environments. A single appliance can handle over 11,000 encryptions per second, and SafeNet makes it easy, through load balancing capabilities, to add additional appliances and boost scalability as performance needs dictate. Further, by offloading CPU-intensive cryptographic processing from disparate servers and databases, DataSecure restores server and database performance to optimal levels—resulting in less waiting for information and higher resource utilization. Designed specifically for business-critical processing, DataSecure also features replication, health checking, and disaster recovery capabilities.





SafeNet DataSecure can be integrated at the Web, application, and database layer. DataSecure offers granular encryption, centralized security management, and seamless, flexible integration.

Streamlined Implementation

With its broad deployment capabilities and infrastructure coverage, DataSecure represents a single solution that can be used to manage an entire enterprise's encryption deployment. With DataSecure, implementation is:

- **Transparent to applications**—with its automated database integration capabilities, it can be implemented with complete application transparency, dramatically reducing the time and costs normally associated with implementing encryption in an enterprise.
- **Centralized**—streamlines the cost and effort of ongoing administration, particularly compared to server-based cryptography and key management, because it centralizes all administration of cryptographic policies and configuration.
- **Flexible**—DataSecure can be integrated wherever an organization's security and business needs dictate, whether at the Web server, application server, database, or file system layer; it offers support for leading, standards-based cryptographic algorithms, including AES, 3DES, RSA, and others; and it supports products from a range of Web server, application server, and database vendors.



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Technical Specifications

Performance

- Processes more than 11,000 encryptions per second
- Scalable to hundreds of thousands of encryptions per second via clustering of multiple DataSecure appliances 250 microsecond's latency

Security Algorithms

- 3DES, DES, AES, RSA (signatures and encryption), RC4, SHA-1, HMACSHA-1

Asymmetric Key Sizes

- 512, 1024, 2048

Symmetric Key Sizes

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

Certificate Management

- Multiple certificates, built-in certificate authority, manage certificate requests, certificate revocation list (CRL) support

Network Management

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

System Administration

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

Web and Application Servers Supported

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

Databases Supported

- IBM DB2, Microsoft SQL Server, Oracle, and Teradata

Enclosure

- Form Factor: 1U, rack mountable (Height: 1.7"; Width: 17"; Depth: 12.5")

Processors

- Single VIA processor, 800MHz

Network Interfaces

- Single 10/100 Mbps