

## SafeNet KeySecure Benefits

- Lower Administration Costs.**  
Lowers the costs of encryption and key management with centralized administration and automated operations
- Simplified Compliance.**  
Centralized, efficient auditing of key management practices saves staff time and simplifies attaining compliance mandates
- Lower Total Cost of Ownership.**  
Low TCO for key management deployments leveraging a growing list of encryption products with the OASIS KMIP standard ensures KeySecure can address future key management needs
- Security and Compliance for Cloud Environments.**  
Take advantage of the lower costs of virtualized and cloud environments with flexible deployment options and appliance models covering physical, virtualized (VMware) and public cloud (AWS Marketplace) environments
- Risk Mitigation with Maximum Key Security.** Tamper-proof hardware options and hardened virtual appliance supporting a hardware root of trust with SafeNet's Luna HSM or using Amazon's CloudHSM service
- Turn Key Encryption.** SafeNet Crypto Pack centralizes encryption and crypto management operations for databases, applications, file servers, and tokenization, and can be consumed by leading 3rd party SIEM tools.

## Overview

SafeNet KeySecure is the industry's leading platform for the centralized management and security of encryption keys supporting a broad encryption ecosystem—encompassing SafeNet and third-party products—for the protection of sensitive data in databases, file servers and storage, virtual workloads, and applications across traditional and virtualized data centers and public cloud environments. Only SafeNet delivers enterprise key management in flexible deployment options spanning FIPS 140-2 Level 3 or 2 validated hardware appliances and hardened virtual appliances supporting a hardware root of trust using SafeNet Luna Hardware Security Modules (HSM) or the Amazon CloudHSM service.

## Highlighted Capabilities

- Heterogeneous Key Management.** Manages keys for a variety of encryption products including databases, files servers, tokenization, and applications through the SafeNet Crypto Operations Upgrade Pack (Crypto Pack), and self-encrypting drives, tape archives, Storage Area Networks, virtual workloads, and a growing list of vendors supporting the OASIS Key Management Interoperability Protocol (KMIP) standard.
- Multiple Key Types.** Centrally manages symmetric, asymmetric, secret data, and X.509 certificates along with their associated policies.
- Full Lifecycle Key Support and Automated Operations.** Simplifies the management of encryption keys across the entire lifecycle including secure key generation, storage and backup, key distribution and key deactivation and deletion. KeySecure makes automated, policy driven operations easy for tasks such as key expiry and key rotation.
- Centralized Administration of Granular Access, Authorization Controls and Separation of Duties.** Management console unifies key management operations across multiple encryption deployments and products while ensuring administrators are restricted roles defined for their scope of responsibilities.
- High-Availability and Intelligent Key Sharing.** Deploys in flexible high-availability configurations within an operations center and across geographically dispersed centers or service provider environments using an active-active mode of clustering.
- Auditing and Logging.** Centralized management includes detailed logging and audit tracking of all key state changes, administrator access and policy changes. Audit trails are securely stored and signed for non-repudiation and can be consumed by leading 3rd party SIEM tools.
- Next-Generation Solution for NetApp Storage.** The official upgrade for existing NetApp DataFort Encryption Appliance and NetApp Storage Encryption deployed with the NetApp Lifetime Key Manager.

## Available Solutions:

### KeySecure k460

- Embedded SafeNet Luna PCI
- FIPS 140-2 Level 3 validation

### Virtual KeySecure K150v

- FIPS 140-2 Level 1 validation
- Virtual security deployed on VMware (ESXi 4 and ESXi 5) or AWS Marketplace
- Hardened OS
- Hardware root of trust using SafeNet Luna HSM or Amazon's CloudHSM Service for master key

## Supported Technologies (All Models):

### API Support

- KMIP 1.1, PKCS #11, JCE, MS-CAPI, and .NET

### 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

### Appliance Administration

- Secure Web-based GUI, Secure Shell (SSH), and console

### Authentication

- LDAP and Active Directory

### Hardware Specifications:

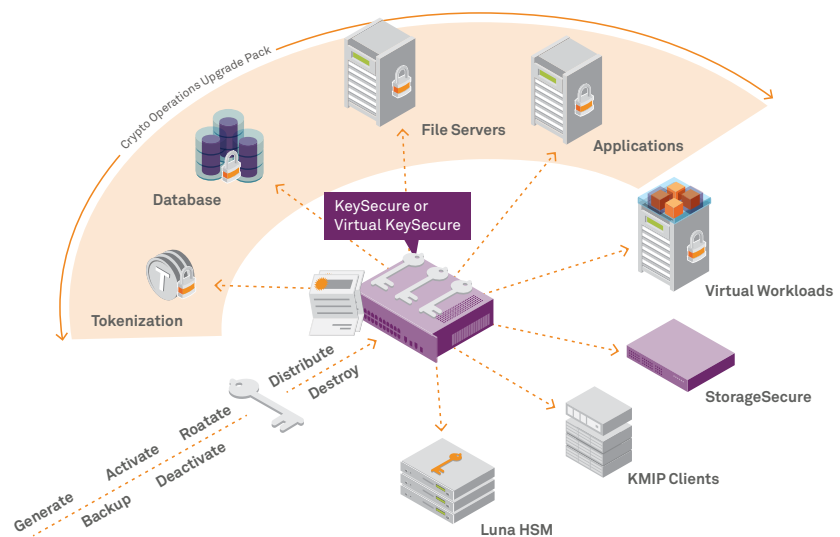
#### KeySecure k460

- Two (2) 10/100/1000 Mbps Ethernet ports, 3 USB ports.
- Two (2) 1 TB 7.2K RPM SATA 2.5"
- 1U, rack mountable (H: 1.7"; W: 19"; D: 26")
- Two (2) 502W Energy Smart power supplies
- Luna HSM K6 PCI Card (FIPX 140-2 Level 3)

## SafeNet KeySecure

KeySecure offers customers a complete key management and data encryption platform offering the following advantages:

- A single, centralized platform for managing cryptographic content (keys and related data) and applications capable of running on premise, in the cloud or hybrid environments
- SafeNet Crypto Pack – a simple licensing option that transforms your key management appliance into a server that includes support for the SafeNet encryption connectors ProtectApp, ProtectFile, ProtectDB, and Tokenization Manager
- Integration with SafeNet's Luna HSM and Amazon Cloud HSM, hardware security modules for added protection and key storage
- Support virtual appliances for VMware and Amazon Web Services (AWS) Marketplace
- Integration and management of leading KMIP supporting appliances



## SafeNet KeySecure Model Comparison

Feature	KeySecure k460	KeySecure k150v
Max keys	1,000,000	25,000
Max concurrent clients per cluster	1,000	100
Redundant hot-swap HDs & Power	Yes	N/A
FIPS 140-2 Level 3	Yes (Luna PCI Card)	N/A
Luna HSM Integration	Yes	Yes
SafeNet Crypto Pack*	Optional	Optional
SafeNet ProtectV and ProtectApp	Yes	Yes
SafeNet StorageSecure	Yes	No
Brocade SAN Switch (BES)	Yes	No
SafeNet Third-party Integration Support	Dell Compellent, NetApp NSE, HP MSL/ESL Tape Libraries, Quantum Scalar Series (i6000, i500 & i40/80), Hitachi VSP and RAID700, Amazon Web Services S3, DropBox, Google Cloud Storage, Google Drive, IBM XIV SED	
Partner Integration Support (requires ProtectApp)	CipherCloud, Perspecsys, PKZip, Sepatone VTL, ServiceMesh, Viasat, Gazzang zTrustee Server	

\* Crypto Pack includes ProtectDB, ProtectApp, Tokenization Manager, and ProtectFile

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