



## Thales Encryption Manager for Storage

Security-Hardened Appliance for IBM® TKLM

### KEY BENEFITS

- > Reduced risk of security breach to prevent data loss
- > Easier to meet audit and compliance requirements quickly
- > Lower costs to manage encryption with standards-based solution
- > Easier to deploy and manage optimized appliance

Organizations face growing demands to protect sensitive data. The consequences of security breaches and pressure to comply with ever-increasing regulatory mandates are driving the need to encrypt data. In response, storage managers must decide how best to deploy and manage encryption without disruption to their storage environment.

Networked storage elements such as disk arrays, tape drives and switches now include encryption. When deploying systems with embedded encryption, storage managers must make sure encryption does not impact business continuity or data accessibility due to inefficient processes or unreliable key management.

### Secure your key management in a hardware appliance

Thales Encryption Manager for Storage is a standards-based, FIPS-validated key management appliance that enables organizations to confidently deploy encryption for multiple types of encrypting endpoints. This includes running Tivoli® Key Lifecycle Manager (TKLM) in the appliance to support security and compliance requirements. With native TKLM support, Thales Encryption Manager for Storage manages encryption keys for IBM enterprise disk and tape systems.

# >> Thales Encryption Manager for Storage

## Reduce the risk of security breaches

For storage managers deploying encryption, reliability and data recoverability are top concerns. With Thales Encryption Manager for Storage, administrators and architects can trust their encryption deployments to a hardware-based system with certified device integration.

- > **Security-hardened hardware** – tamper-resistant and tamper-evident, designed to FIPS 140-2 level 3 specifications.
- > **Separation of duties** – Administrative roles ensure that no single administrator has access to all functions.

## Meet audit and compliance requirements more easily and quickly

Storage teams must keep up with an ever-increasing number of compliance requirements. Thales Encryption Manager for Storage enforces security policy and maintains logs critical for reporting and audits.

- > **Key backup** – Ensure access to data with secure backup of encryption keys to offsite and recovery data centers.
- > **Secure audit facility** – Tamper-resistant logging provides traceability of all actions on the device with role-based access.
- > **Automated key lifecycle** – Enables policy-based administration to meet legal, mandated or corporate guidelines.

## Reduce your costs of managing encryption

Thales Encryption Manager for Storage simplifies and automates the maintenance and operation of encryption, freeing administrator time and reducing costs, especially in heterogeneous storage environments.

- > **Single storage key management system** – Manage storage encryption key management from a single unified console – learn one interface and eliminate redundant tasks.
- > **Extensible** – Standards support and published SDK means new storage systems can be certified and integrated quickly.

## Simplify your encryption deployment and management

Thales Encryption Manager for Storage enables organizations to simplify deployment of TKLM with a turnkey hardware appliance and unified management.

- > **Standards-based key management** – Simplify the use of encryption with support for the IEEE P1619.3 draft key management protocol.
- > **Logging and reporting** – Administrative and system functions are logged and can be integrated with your SNMP-based systems.
- > **Scalability to 25 million keys** – Manage all your keys in a single key management scheme.

## Technical Specifications

### Key management

- > IBM TKLM v1.0 for disk and tape
- > IEEE P1619.3 draft 6

### Management interface

- > Web-based and command line
- > Multiple administrator roles
- > Key groups

### Appliance hardware

- > 2U chassis, 30 lbs, 19" rack mountable
- > Hot swappable redundant fans and power supplies

For more detailed technical specifications, please visit [www.thalesgroup.com/iss](http://www.thalesgroup.com/iss)



Thales - Information Systems Security