

# Boost Your Security with Robust Data Encryption on Spectra Logic Tape Libraries



## Simple Encryption Key Management

The need to provide encryption continues to grow as regulations and laws mandate it to protect personal, financial, and sensitive corporate data. To help every organization secure data on tape, Spectra® offers a range of solutions to meet your individual encryption requirements. Spectra offers two customer-centric encryption key management options: Spectra BlueScale® Encryption Key Management is integrated-into all Spectra tape libraries. For more complex requirements, Key Management Interoperability Protocol (KMIP)-based key management platforms provide centralized key management capabilities. Spectra encryption meets the needs of customers ranging from small businesses to the largest, most security-conscious enterprises.

## Spectra BlueScale Encryption

Spectra offers the only truly integrated encryption key management option for data on tape: BlueScale Encryption Key Management. With BlueScale Encryption Key Management, encrypting data on tape is easy to manage, efficient, and free of charge. BlueScale Encryption is a secure and user-friendly solution that offers powerful key management features for encrypting and decrypting sensitive data.

- **BlueScale Encryption Standard Edition** is a standard feature in Spectra libraries. It is suitable for sites that want to secure data as it is transported to a remote location and stored for long-term archival.
- **BlueScale Encryption Professional Edition** provides additional choices for defining your data center's security level. It is suitable for sites that want the added security of multi-password access to the encryption configuration controls, the ability to import and export encryption keys, and the flexibility to store up to 30 encryption keys in the library.

## KMIP-Based Key Management Platform Encryption

For more complex and extensive requirements, KMIP-based key management platforms are time-tested and proven across enterprises and meet the highest encryption security standards. You can deploy a clean, simple key management solution that meets your security requirements.

KMIP-based platforms enable you to control the lifecycle of keys by automating the creation, import, distribution, and backup of keys. They enable key generation and distribution from a centralized location, and group devices into separate domains for simplified key management. They also support role-based access control of administrative accounts.

## Greater Interoperability with Key Management Interoperability Protocol

Spectra advises choosing a key management solution that supports the Key Management Interoperability Protocol (KMIP), a standard for managing cryptographic keys across enterprise environments. KMIP enables seamless integration of key management platforms with any KMIP-compliant application or device, including Spectra libraries. This simplifies the key management process across a range of clients.

# Encryption Technical Specifications

Feature	BlueScale Encryption Key Management	KMIP-compliant Solutions
Library Integrated Server	X	
Stand-alone Server		X
Supports Spectra Stack	X	X
Supports Spectra Cube	X	
Supports Spectra TFinity, T950 and T-series	X	X
Spectra & IBM Library Support (dual vendor)		X
Secure Initialization Mode	X	
Graphical User Interface	X	X
Command Line Interface / ReST API	X	X
LTO-4 Drive Support	X	
LTO-5, LTO-6, LTO-7, LTO-8, LTO-9, and LTO-10 Drive Support	X	X
TS1150 and TS1155 Technology Drive Support		X
TS1160 and TS1170 Technology Drive Support	X	X
Multi-library / Multi-site Support		X
AES-256 Bit Encryption	X	X
Key Max: (Standard: 1 key) (Professional: 30 key)	X	
Key Max: 1,000,000+		X
Key per Tape		X
Symmetric Keys	X	X
Asymmetric Keys		X
Role-based Access Control (RBAC)	X	X
Key Grouping		X
Device Grouping		X
Key Group Policies		X
Key Rotation Policies		X
Key Lifecycle Status		X
Audit Verified Key Deletion		X
Certificates of Authority		X
Audit Trail		X
FIPS Certification	Tape drives only	Tape drives and key manager <sup>1</sup>
IKEV2-SCSI Compliance		X
Configuration, Policies, and Keystore Backup		X
LDAP Support		X

1. Refer to NIST [Computer Security Resource Center](#) for validated cryptographic module.

## About Spectra Logic Corporation

Spectra Logic modernizes IT infrastructures to preserve, protect and defend data, from days to decades, whether on-premises, in a single cloud, across multiple clouds or in all locations at once. Our cost-effective solutions help organizations efficiently manage, migrate and store long-term data, from terabytes to exabytes, with features that make it ransomware resilient.