THALES

Thales Luna Backup HSM

Thales Luna Backup Hardware Security Modules (HSMs) are widely used by enterprise, financial institutions and government to securely backup high value cryptographic key material. This accessory to Thales Luna Network and PCIe HSMs enables you to reduce risks, maintain SLAs, and ensure regulatory compliance, ensuring your critical data is securely stored offline.

Secure backup

Maintaining keys in hardware throughout their life-cycle is a best practice mandated by system security auditors and certification bodies responsible for attesting to the security status of cryptographic systems.

The Luna Backup HSM ensures your sensitive cryptographic material remains strongly protected in hardware even when not being used. You can easily backup and duplicate keys securely to the Luna Backup HSM for safekeeping in case of emergency, failure or disaster. The remote backup capabilities allow administrators to securely replicate sensitive cryptographic key material to other Luna HSMs. With a single Luna Backup HSM, an administrator can backup and restore keys to and from up to 100 partitions.

The Luna Backup HSM provides the same level of security as the Luna Network and PCI-E HSMs in a convenient, small, low cost form factor. It provides an additional layer of hardware-based security.

Features & Benefits:

Highest Security & Compliance:

- Keys always remain in FIPS-validated*, intrusion-resistant, tamper-evident hardware
- Remote management, backup and restore for quick disaster recovery
- Multi-person MofN with multi-factor authentication for increased security and strong separation of duties
- High-assurance delivery with secure transport mode

* in progress

High assurance key protection

By its very name, HSM implies hardware. As such, most security professionals assume that all HSMs actually store cryptographic keys in hardware, as Luna HSMs do by default. In fact, while other leading HSMs generate their keys in hardware, they actually store the cryptographically wrapped keys on an application server. These keys, residing in software, can be easily detected—creating an additional attack surface.

The advantages of hardware are the key reasons why the world's largest enterprises and government organizations trust Luna HSMs to guard more digital identities and interbank fund transfers than any other HSM in the world.

Built for ease of use

- Portable, handheld, small form factor device
- Host powered USB – no need for a power adaptor
- Captive Liquid Crystal Display (LCD) enables quick review of the HSM status including partitions, firmware, megabytes remaining, and more
- Easy setup – up and running in minutes

Technical specifications

Operating System Support

- Windows, Linux

Client

- Thales Luna Client

Security Certifications

- FIPS 140-2 Level 3 (pending)

Physical Characteristics

- Dimensions: 5.7″ x 3.4″ x 0.91″ (144.7mm x 86.4mm x 23.1mm)
- Weight: 400g
- 4.7″ LCD display capacitive touch screen
- Input Voltage: 100 - 240V, 50 - 60Hz

Input 5VDC 2 A for USB power

- Power Consumption: 6.4W maximum, 4.0W typical
- Temperature: operating 0°C – 40°C, storage -20°C – 70°C
- Relative Humidity: 20% to 95% (38°C) non-condensing

Safety and Environmental Compliance

- UL, CSA, CE
- FCC, KC Mark, VCCI, CE
- RoHS, WEEE

Trade Agreement Compliance

- TAA compliant

Storage

- Up to 100 partitions

Remote Backup and Remote Restore

Host Interface

- USB 3.0 Type C connector

Reliability

- MTBF: 564181 hrs @40C, Telcordia SR-332, Issue C

Supported Versions

- Backup and restore from multiple HSMs including Luna HSM 5, 6 & 7

Available models

Choose from two Luna Backup HSM models:

- **Thales Luna Backup HSM B700**, offering 32 megabytes of storage space
- **Thales Luna Backup HSM B750**, offering 128 megabytes of storage space

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.

Contact us – For all office locations and contact information, please visit cpl.thalesgroup.com/contact-us