PRODUCT BRIEF
SafeNet Luna Network HSM

Secure your sensitive data and critical applications by storing, protecting and managing your cryptographic keys in SafeNet Luna Network Hardware Security Modules (HSMs) - high-assurance, tamper-resistant, network-attached appliances offering market-leading performance.

What you need to know:

Superior Performance:
- Fastest HSM on the market with over 20,000 ECC and 10,000 RSA operations per second for high performance use cases
- Lower latency for improved efficiency

Highest Security & Compliance:
- Keys always remain in FIPS-validated, tamper-evident hardware
- Meet compliance needs for GDPR, HIPAA, PCI-DSS, eIDAS, and more
- De facto standard for the cloud
- Multiple roles for strong separation of duties
- Multi person MofN with multi-factor authentication for increased security
- Secure audit logging
- High-assurance delivery with secure transport mode

Reduce Costs & Save time:
- Remotely manage HSMs - no need to travel
- Reduced audit and compliance costs and burdens
- Automate enterprise systems to manage HSMs via REST API
- Efficiently administer resources by sharing HSMs amongst multiple applications or tenants

Contact us to learn how you can integrate SafeNet Luna Network HSMs into a wide range of applications to accelerate cryptographic operations, secure the crypto key lifecycle, and provide a root of trust for your entire encryption infrastructure.

SafeNet Luna Network HSM
PKI
Document Signing
Certificate Signing & Validation
SSL/TLS
IOT
Code Signing
Database Encryption
Transaction Processing
Smart Card Issuance
HSMaaS
Blockchain
Secure Manufacturing

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**Technical Specifications**

**Supported Operating Systems**
- Windows, Linux, Solaris*, AIX*, HP-UX*, FreeBSD *
- Virtual: VMware, Hyper-V, Xen, KVM

**API Support**
- PKCS#11, Java (JCA/JCE), Microsoft CAPI and CNG, OpenSSL
- REST API for administration

**Cryptography**
- Asymmetric: RSA, DSA, Diffie-Hellman, Elliptic Curve Cryptography (ECDSA, ECDH, Ed25519, ECIES) with named, user-defined and Brainpool curves, KCDSA
- Symmetric: AES, AES-GCM, Triple DES, DES, ARIA, SEED, RC2, RC4, RC5, CAST
- Hash/Message Digest/HMAC: SHA-1, SHA-2, SM3
- Key Derivation: SP800-108 Counter Mode
- Key Wrapping: SP800-38F
- Random Number Generation: FIPS 140-2 approved DRBG (SP 800-90 CTR mode), complying with BSI DRG.4

**Security Certifications**
- FIPS 140-2 Level 3 - Password and multi-factor (PED) *
- FIPS 186-4

**Host Interface**
- 4 Gigabit Ethernet ports with Port Bonding
- IPv4 and IPv6

**Physical Characteristics**
- Standard 1U 19in. rack mount appliance
- Dimensions: 19” x 21” x 1.725” (482.6mm x 533.4mm x 43.815mm)
- Weight: 28lb (12.7kg)
- Input Voltage: 100-240V, 50-60Hz
- Power Consumption: 110W maximum, 84W typical
- Heat Dissipation: 376BTU/hr maximum, 287BTU/hr typical
- Temperature: operating 0°C – 35°C, storage -20°C – 60°C
- Relative Humidity: 5% to 95% (38°C) non-condensing

**Safety & Environmental Compliance**
- UL, CSA, CE
- FCC, CE, VCCI, C-TICK, KC Mark
- RoHS2, WEEE

**Reliability**
- Dual hot-swap power supplies
- Field serviceable components

**Management & Monitoring**
- HA disaster recovery
- Backup and restore
- SNMP, Syslog

*pending

**Available Models**

Choose from two series of SafeNet Luna Network HSMs, each one with 3 different models to fit your requirements.

**Luna A Series:** Password Authentication for easy management.

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**Luna S Series:** Multi-factor (PED) Authentication for high assurance use cases.

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