

INTERXION KEY GUARDIAN

On Demand Protection of Crypto Material via HSM across any private and cloud environment



Interxion Key Guardian is a managed service that offers protection of your encryption keys and other cryptographic material. It leverages FIPS 140-2 Level 3 validated Hardware Security Modules (HSMs) and Interxion Cloud Connect, to enable the highest level of protection of data and applications that run in Public Cloud, Private Cloud or in your own Interxion collocated data processing environment. Interxion Key Guardian allows you to have the certainty that your cryptographic material is protected via dedicated (single tenant) HSM. You can choose HSM model from 3 OEM providers : Thales Utimaco, Securosys and Ncipher.

The keys are secured in FIPS Level 140-2 level 2 and level 3 HSMs and operated & monitored exclusively by certified staff from our partner Exceet Secure Solutions. Any application running on a CSP integrated to our Cloud Connect service and any application hosted in an Interxion DC can benefit from Key Guardian.

Interxion Key Guardian allows flexibility of integration into your applications, using industry standard APIs such as PKCS#11, OpenSSL, Java (JCE), CAPI and CNG. This managed service automates hardware provisioning, networking and setup. Interxion Key Guardian enables you to scale quickly by adding and removing HSM appliances on-demand with no capital investment.

The Benefits :

- Long term architectural fit : multi-cloud, no lock-in to specific Cloud Service Provider Key Management solution or HSM vendor
- Complete control and certainty over the allocation and physical location of your HSM
- Full control of your encryption key lifecycle and key administration
- Short RTD from your HSM to your Cloud based applications
- Maximum level of compliance
- Allows for better risk management.

Use Cases

- Application Level Encryption
- Transparent Database Encryption
- Signature Services (PKI, Timestamps, Code)
- Protection of Blockchain & DLT Private Keys
- Tokenization
- BYOK / Masterkey back-up & encryption

utimaco® THALES

securosys N CIPHER™

About Interxion

Interxion (NYSE: INXN) is a leading provider of carrier and cloud-neutral colocation data centre services in Europe, serving a wide range of customers through over 50 data centres in 11 European countries. Interxion's uniformly designed, energy efficient data centres offer customers extensive security and uptime for their mission-critical applications. With over 700 connectivity providers, 21 European Internet exchanges, and most leading cloud and digital media platforms across its footprint, Interxion has created connectivity, cloud, content and finance hubs that foster growing customer communities of interest.

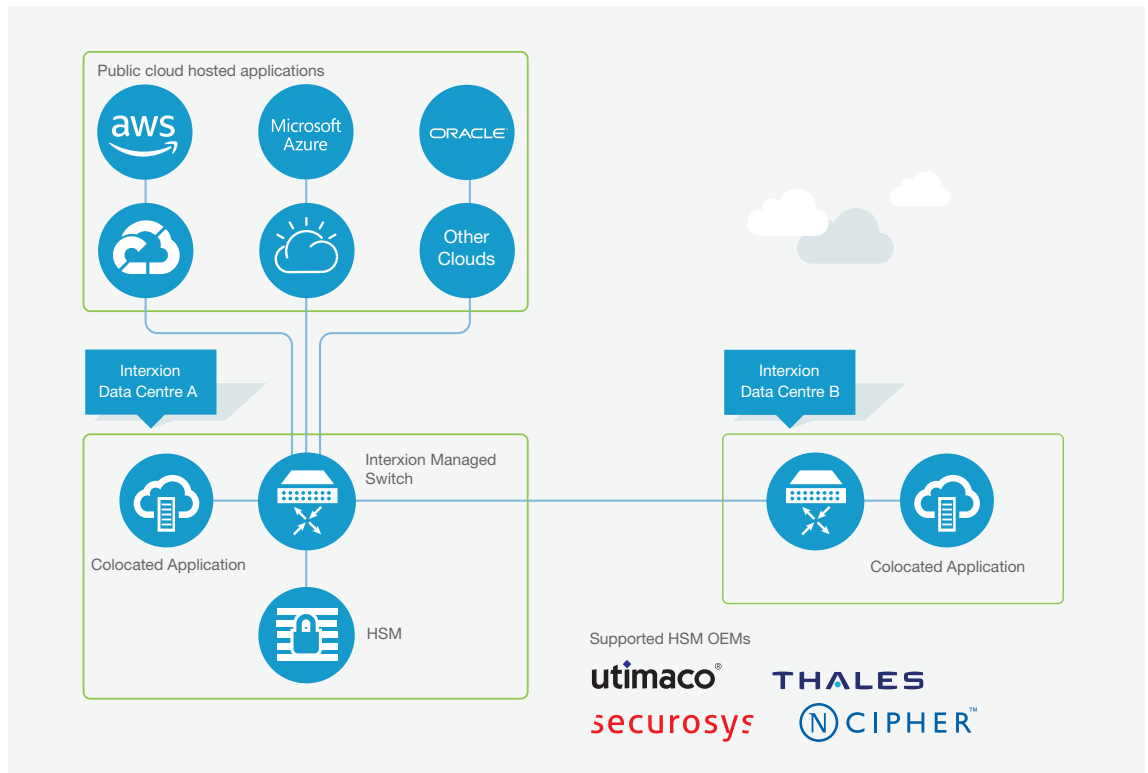
For more information, please visit www.interxion.com

Interxion Key Guardian Product Details

Interxion Key Guardian is a colocated encryption key security service that uses Hardware Security Modules (HSMs) for high performance crypto operations and secure key storage for applications in the Public Cloud or your own data processing infrastructure. The keys are secured in an HSM appliance dedicated to you, outside of, but in close proximity to, your cloud applications. This architecture allows for high performance, low latency integration with your cloud apps while demonstrating strong auditability with a precise physical location of the keys in a secure environment.

Important Features

- **Choice of Secure Authentication**
 - Supports standard passphrase authentication, quorum authentication for critical administrative and key management functions, and multi-factor authentication using hard tokens. We provide you with the associated hardware and tokens as part of the service.
- **Automated Provisioning** - Upon your order for the service, an HSM appliance is provisioned specifically for you in the secure Interxion data centre and network connectivity is established to your end point.
- **Industry Standard APIs –** Integration with your custom applications through industry standard API's such as PKCS#11, OpenSSL, Java JCE, CAPI and CNG. Multiple programming languages and operating systems are supported
- **Secure Interxion Data Center**
 - Like all Interxion data centre campuses, Frankfurt has ISO/IEC 27001 and ISO 22301 certification and is also ISO 9001, ISO 14001, ISO 50001 and PCI DSS certified.



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Cofounder: Uptime Institute EMEA chapter, **Founding member:** European Data Centre Association, **Patron:** European Internet Exchange Association, **Member:** The Green Grid, with role on Advisory Council and Technical Committee, **Contributor:** EC Joint Research Centre on Sustainability, **Member:** EuroCloud.

Interxion is compliant with the internationally recognised ISO/IEC 27001 certification for Information Security Management and ISO 22301 for Business Continuity Management across all our European operations.
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