

Fortanix FX2200 II HSM

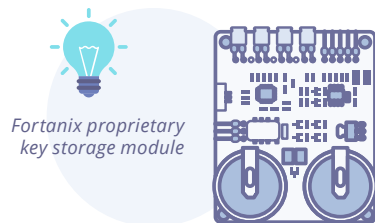


The only integrated HSM and KMS on the market designed for the cloud



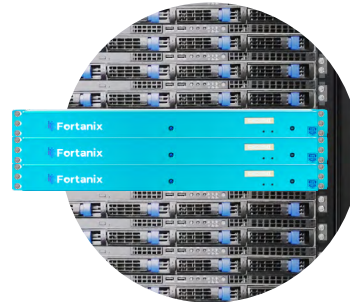
The FX2200 II was Born in the Cloud and used across the globe, in the largest Data Centers. Designed to deliver secure Key Management, Hardware Security Module and Cryptography services.

Fortanix FX2200 II is the ideal building block for implementing Fortanix Self-Defending Key Management Service™ (SDKMS) in a private cloud or as a managed service. With SDKMS, you can securely generate, store, and use cryptographic keys and certificates, as well as secrets, such as passwords, API keys, tokens, or any blob of data. Built from the ground up for modern cloud applications, SDKMS provides REST APIs alongside traditional interfaces, native server-side clustering, centralized management, secure audit logs, and more!



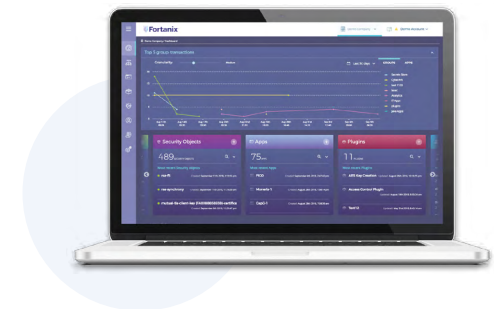
HSM-grade Security with Software-defined Simplicity

- Fips 140-2 Level 3 Key storage module*
- Integrated HSM, key management, plug-in and tokenization
- Secured with Intel® SGX to ensure that only authorized user has access to your keys and data



Trusted Auto Scaling

- Get started with as little as three FX2200 II
- Trusted auto-scaling by using quorum distributed computing
- Support on-premise, hybrid cloud or multi-cloud applications




Always On

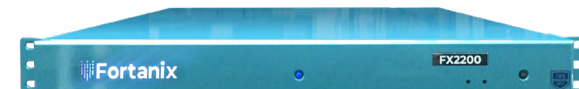
- Highly available, Always-on clustered design
- Non-disruptive upgrade and maintenance operations
- Central monitoring tools and integrations
- Robust application support and services

Technical Specification

FX2200 II Node Specification

Cryptography	Full NSA Suite B algorithms
Interfaces supported	REST APIs, PKCS#11, Microsoft CAPI and CNG, JCE, KMIP
Certifications	FIPS 140-2 Level 3*
FIPS key storage	Fortanix proprietary key storage module
Operating environment	Self-Defending Key Management Service™ (running on Ubuntu Linux 16.04)
Management / Monitoring	Centralized Management with Web UI, CLI and APIs Syslog, Splunk integration
High Availability	Scale-out clustered design with built-in HA / DR
Reliability	Non Rotating media- Solid State Devices Dual Redundant Power Supplies, FRU's (Field Replaceable Units) MTBF 250,000 hours (basis of parts count method)
Network Connectivity	Dual Copper 10Gigabit Ethernet, 10GBASE-T, IEEE 802.3an, supporting link aggregation Gigabit Ethernet, 1000Base-T 100 Mb Ethernet : 100BASE-TX 1 x IPMI port Dual SFP28 (Small Form Factor Pluggable) supports: SFI interfaces supports 25GBase-R PCS and 25 Gigabit PMA in order to connect with SFP28 to 25GBase-SR
Processor	Intel® SGX 
Memory	64GB high speed memory

Dimensions	1U Rackmount
Weight	47lbs / 21.319Kg
Power Supply	Dual redundant 300w AC power supplies
Voltage / Frequency	AC input: 100-240v 63-47hz 5-2.5a
Thermal Rating	1,164 BTU/hr (maximum)
Temperature	Operating: -5 to 40 C° / storage -40 to 70 C°
Safety and Environmental	FCC class B, CE, TUV, GS, RoHS, C-Tick, CCC, VCCI



FX2200/2 front view



FX2200/2 rear view

*evaluation in progress