FUTUREX

Vectera **Plus**
General purpose HSM

Advanced HSM for cross-industry applications

General purpose and payments processing functionality

The Vectera Plus is a general purpose hardware security module (HSM) that excels in the most demanding cryptographic environments. It features high processing speeds, support for a wide range of encryption algorithms, and FIPS 140-2 Level 3 validation. Like all Futurex products, the Vectera Plus supports an array of vendor-neutral APIs for easy integration. From securing applications to encrypting sensitive customer data, the Vectera Plus fills varied roles across different industries.

Secure code environment

The Vectera Plus' secure code environment is an isolated environment in which to develop and run applications. This provides an easy way to increase the value of HSM infrastructure by developing applications in common cryptographic libraries, such as Java or PKCS #11.

Features at-a-glance

✔ Full industry compliance

✔ General-purpose encryption

✔ Payments processing

✔ Future-proof scalability

✔ HSM virtualization (multitenancy)

✔ Cloud service integration

Boundless cryptographic tasks 👍

- General purpose data protection tasks, including encryption, decryption, validation, and certifications
- Secure corporate domains with DNSSEC
- Secure data for manufactured Internet of Things (IoT) devices
- Tokenize sensitive information for data types like medical, academic, insurance, military, or corporate IP, at rest or in transit

User-friendly interface 👍

- Full graphical user interface (GUI) makes configuration simple and easy
- No command line interface required for installation and initial setup
- Scalable architecture, with the ability to increase processing throughput rates without downtime

Hardware features 👍

- Hardened steel 1U tamper-resistant chassis
- Dual, redundant, hot-swappable power supplies
- Dual gigabit ethernet ports
- Battery backup for keys in SCD memory
- Secure Cryptographic Device (SCD) with tamper-responsive barrier to protect sensitive data

Reporting and audit logging 👍

- Automatically transmit data logs to a remote server for audits
- Digitally sign log files, ensuring that data integrity is maintained and that logs cannot be altered
- Remotely access and audit internal logs via web-based interface

Industry-leading compliance

- FIPS 140-2 Level 3
- PCI HSM 2.X
- ANSI X9.24 Part 1
- ANSI X9.24 Part 2 - TR-39
- FCC Part 15 - Class B
- RoHS

On-demand scalability

Effortlessly increase your infrastructure's throughput capacity without downtime.

Cryptographic interfaces

Broad support for common interfaces makes integration painless.

- RESTful API
- PKCS #11
- JCA/JCE
- MS CAPI/CNG

Web-based management interface

- Upgrade firmware
- Update network settings
- Execute secure application code
- Alter host software application parameters
- Performs all configuration functions

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