

# SMARTCRYPT APPLIANCE

## TURNKEY ENCRYPTION MANAGEMENT PLUS ENHANCED DATA PROTECTION

The Smartcrypt Enterprise Manager is the central component of PKWARE's Smartcrypt platform, managing data discovery and encryption agents across an organization's servers, user devices, and more.

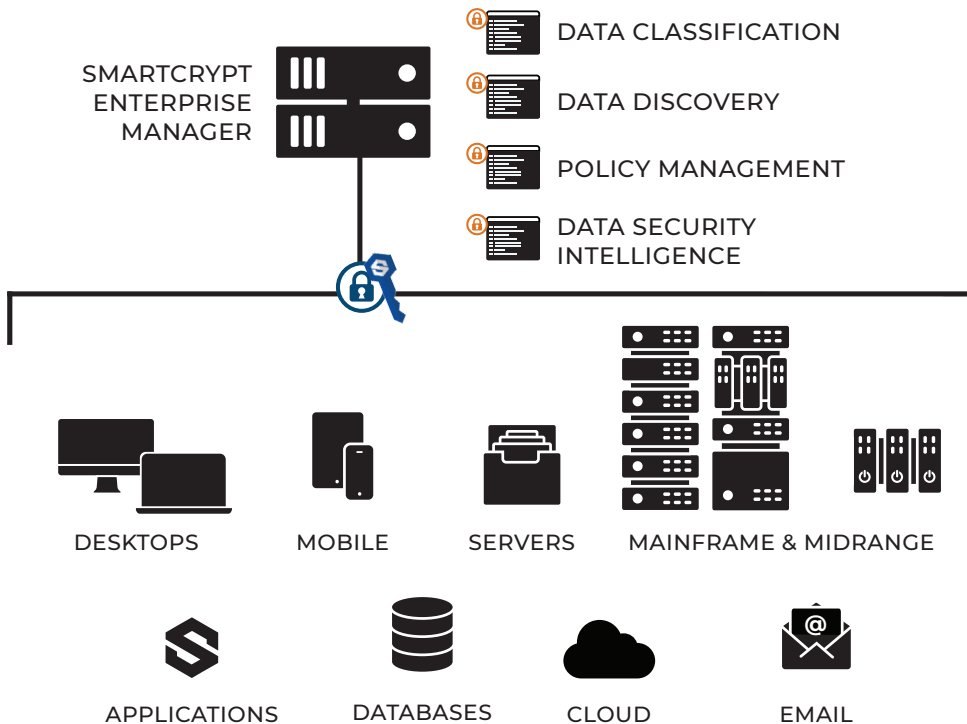
For simplified deployment and enhanced security features, the Smartcrypt Enterprise Manager is available as a virtual appliance or hardware appliance, with an optional FIPS 140-2 Level 3 hardware security module and a full-entropy quantum random number generator.

### PLUG & PLAY ENTERPRISE ENCRYPTION MANAGEMENT

Smartcrypt Appliances have everything you'd expect from a world-class key management appliance: automatic failover, high availability, support for encryption on servers and databases, and full key lifecycle and policy management.

But PKWARE goes further. Only Smartcrypt Appliances offer:

- Persistent encryption: protection for data wherever it travels, not just when it's stored in a certain server or drive
- Out-of-the box support for encryption on desktops, laptops, mobile devices, and email
- Support for data discovery, so you can find where all your sensitive data is located



### PRODUCT SUMMARY

Only key management appliance that supports persistent data encryption and data discovery.

Administration console used to define and apply encryption and data discovery policies across the entire organization.

Available as a virtual or hardware appliance.

Quantum random number generator (optional with hardware appliance) enables high-volume, full-entropy encryption key generation.

Hardware security module (optional with hardware appliance) provides FIPS 140-2 Level 3 key storage.

Provides automatic failover and high availability (minimum of two appliances required).

Supports multiple geographies and enforceable data residency.

## ENHANCED SECURITY & FLEXIBILITY

The Smartcrypt Appliance makes it easy to implement an enterprise encryption policy that meets your organization's unique requirements.

- The optional quantum random number generator delivers high-volume true random data for use in key generation, certificate seeding, and other applications.
- The optional hardware security module provides FIPS 140-2 Level 3 validated protection for encryption keys.
- Both the hardware and virtual appliance provide support for enforced data residency, aiding compliance with the GDPR and other regulations.
- Failover, high availability, and multiple geographies are supported with a minimum of two appliances.
- The hardware appliance is available in three configurations: models 300r, 300h, and 350. Please see the chart below for additional details on product options and capabilities.

## TECHNICAL SPECIFICATIONS

### Operating Platforms

- Linux: RHEL (.rpm) and SLES (.deb )\*

### Algorithms

- Encryption: AES256 (block level encryption in AES-CBC mode)
- Signing: RSA 2048 SHA 512 PSS (metadata)

### Random Number Generation

- 1Gb/second at 100% entropy
- Conforms with NIST SP 800-90A, B (draft), and C (draft)
- Output 100% independent for each random user; traceability from hardware to entropy, to random number, to key to consumer

### Key Storage and Retrieval

- OASIS KMIP
- PKCS#11

### Hardware Characteristics

- 19-in rack-mount chassis
- 90 to 264 VAC, 47 to 63 Hz input power
- Hot-swappable fans and hard drives

## SMARTCRYPT APPLIANCE: OPTIONS & FEATURES

MODEL NAME	200v	300h	300r	350
Virtual/Hardware	Virtual	Hardware		
Operating Systems	Linux-based VM	Hardened Linux OS		
Simplified administration	✓	✓	✓	✓
Enterprise-wide control	✓	✓	✓	✓
Data security intelligence	✓	✓	✓	✓
HSM Support (Master Key)	✓	✓	✓	✓
Failover	✓	✓	✓	✓
High Availability	✓	✓	✓	✓
Data Residency	✓	✓	✓	✓
FIPS 140-2 level 3 key storage		✓		✓
Full-entropy quantum RNG			✓	✓

**PKWARE**<sup>®</sup>

www.PKWARE.com

PKWARE provides a data-centric audit and protection platform that automates policy-driven discovery, classification, and encryption wherever sensitive data is used, shared, or stored.

### CORPORATE HEADQUARTERS

201 E. Pittsburgh Ave.  
Suite 400  
Milwaukee, WI 53204

+ 1 866 583 1795

### EMEA HEADQUARTERS

79 College Road  
Suite 221  
Harrow HA1 1BD

+ 44 (0) 203 367 2249