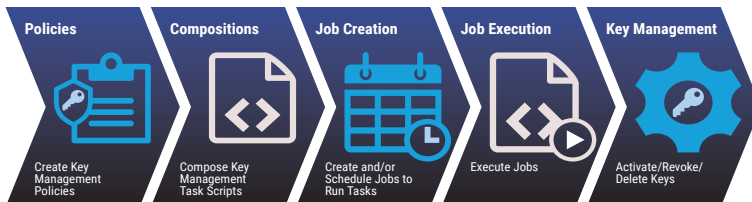# FORNETIX™

KEY ORCHESTRATION™

APPLIANCE DATA SHEET

KEY ORCHESTRATION APPLIANCE

KOA is a cryptographic key management appliance that can integrate with any KMIP-compliant client or device to centrally manage all encryption keys across your enterprise, whether it be encrypted data at rest, in transit, or in use.

KOA is a policy-driven key management appliance that automates and simplifies the entire key lifecycle. Key policies can be created to define the rules around the who, what, when, where and how of key lifecycle management. Compositions and jobs can then be created and scheduled to automate key generation, activation, rotation, revocation, etc.

Policies	Compositions	Job Creation	Job Execution	Key Management
Create Key Management Policies	Compose Key Management Task Scripts	Create and/or Schedule Jobs to Run Tasks	Execute Jobs	Activate/Revoke/Delete Keys

KOA manages keys via hierarchies and groups so that the policy(ies) can be automatically applied to one or more devices. For example, if 50 webservers use the same key type, one policy dictating key type can be created for all 50 servers. If 5 of those webservers have a different maximum key length, rather than having to use the smaller (and less secure) max length for all your webservers, one key length policy can be created for the 5 webservers and one for the other 45.

KOA enforces FIPS-140 compliant security roles, which imposes a segregation of duties among the different user roles so users only have access to the parts of the key management process for which they are responsible. Optionally, the Key Orchestration appliance can have optional HSMs integrated to enhance security and protect Key Material with FIPS 140-2 Level 3 protection.

KOA's audit and tracking features extend your operational security posture by allowing fast and detailed event analysis.

KO-1000 (1U) AND KO-2000 (2U) VERSIONS

Power Supply:
- KO-1000: 2-750w hot-swap
- KO-2000: 2-1000w hot-swap

Shock:
- Drop test shock: 12G, -3.75G

Interfaces:
- 6 1GB RJ45 copper ports
- KO-1000: 2 optional network upgrade slots
- KO-2000: 6 optional network upgrade slots
- Graphical User Interface (GUI)
- Key Orchestration RESTful API
- KMIP API
- Command Line Interface
- Key Orchestration Client
- Key Orchestration Agent
- HSM (PKCS #11)

Key Capacity:
- KO-1000: up to 10 million keys
- KO-2000: up to 100 million keys

Certifications and Interoperability:
- FIPS 140-2 compliant
- KMIP 1.0, 1.1, 1.2, 1.3, and 1.4 compliant

Scalability/Failover:
- Fully distributable
- Clustering support
- High availability/zero failover interruption
- Backup/restore process

FORNETIX™