



POS Key Injection

HSM-backed control for terminal key loading

Secure Terminal Loading at Scale

Futurex CryptoHub centralizes POS key injection across manufacturing, staging, shipment, merchant activation, and fleet rekeying. Teams can apply an HSM-backed control model across local workstation loading and remote TMS-driven workflows, with centralized policy, key protection, and audit visibility.

Unified Control for Terminal Deployment

- CryptoHub Control Layer for centralized POS terminal key loading across connected staging, deployment, and fleet workflows.
- HSM-Backed Root of Trust anchored in FIPS 140-2 Level 3 and PCI PTS HSM validated hardware for terminal key generation and protection.
- Standards-Aligned Workflows with support for X9.143 key blocks, TR-34, and documented terminal provisioning activity across deployment stages.

POS Key Injection Capabilities

Workstation Injection:

Support in-hand key loading for manufacturers, certified facilities, and distributor staging teams.

Remote TMS Activation:

Activate deployed terminals and perform fleet rekeying through TMS-connected workflows without deploying on-premises hardware at every distributor site.

HSM-Backed Key Control:

Generate, wrap, store, and manage terminal keys inside validated hardware boundaries.

Flexible Rollout Support:

Support production staging, merchant activation, replacement terminals, and remote key updates.

Partner Role Separation:

Apply partner-specific permissions across manufacturers, distributors, acquirers, banks, and operations teams.

Fleet Audit Logging:

Document terminal identity, key events, operator actions, and deployment history in one system.



Built for Coordinated Deployment

Futurex unifies POS key injection into a single CryptoHub control model. Teams can coordinate terminal loading, merchant activation, and fleet rekeying with stronger traceability across the deployment chain.

What does Futurex POS Key Injection do for you?

Futurex POS Key Injection provides payment teams with stronger operational control, broader deployment flexibility, and clearer terminal traceability throughout the rollout lifecycle.

- **Support More Deployment Models:**

Use one control model for workstation injection and remote in-field loading as programs expand.

- **Accelerate Fleet Activation:**

Activate deployed terminals, support replacement devices, and execute fleet-wide rekeying through remote TMS workflows without on-premises hardware at every distributor site.

- **Improve Partner Coordination:**

Align manufacturers, distributors, acquirers, processors, and bank-operated programs under a single control layer.

- **Strengthen Compliance Documentation:**

Maintain audit records for terminal serial numbers, operator identity, injection location, timestamps, and key events.

Built for Control

Centralizes POS key injection across staging, activation, and rekeying workflows.

Anchors terminal key protection in FIPS 140-2 Level 3 and PCI PTS HSM standard validated hardware.

Supports X9.143 key blocks, TR-34, and preparation for X9.139.

Aligns manufacturers, distributors, acquirers, and bank-operated programs.

Supports replacement terminals and fleet-wide rekeying with stronger traceability.

About Us

For over 40 years, Futurex has been an award-winning leader and innovator in the encryption market, delivering uncompromising enterprise-grade data security solutions. Over 15,000 organizations worldwide trust Futurex to provide groundbreaking hardware security modules, key management servers, and cloud HSM solutions.

Futurex is headquartered outside of San Antonio, Texas, with regional offices worldwide and over a dozen data centers across five continents, Futurex delivers unmatched support for its clients' mission-critical data encryption and key management requirements.



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