



## IoT Key Injection

Secure device identity at manufacturing

### Control Device Identity Provisioning

IoT Key Injection centralizes how device identities, certificates, and encryption keys are provisioned during manufacturing. In CryptoHub, FuturEx applies an HSM-backed control model that enables secure key generation, policy-driven injection, and full audit traceability across production lines, device types, and manufacturing environments.



### Unified Control for Payment Key Operations

- **Centralized Provisioning Control**  
CryptoHub unifies device identity injection across manufacturing systems and environments.
- **HSM-Backed Root of Trust**  
Keys and certificates are generated and protected inside validated hardware boundaries.
- **Integrated PKI & Identity Provisioning**  
Provision unique device identities with certificates during production workflows.

## IoT Key Injection Capabilities

### Policy-Driven Provisioning:

Apply centralized provisioning policies across device types, production lines, and manufacturing locations.

### Device Identity & Certificate Injection:

Provision unique asymmetric key pairs and digital certificates into each device during manufacturing.

### Production-Line Integration:

Integrate directly with manufacturing systems to inject keys and credentials during high-volume production.

### High-Volume Batch Processing:

Automate provisioning workflows to support large-scale device manufacturing without slowing throughput.

### Validation & Traceability:

Validate provisioning during QA and link device identity to manufacturing and operational records.

### Audit & Compliance Reporting:

Document provisioning events, policies, and device identity data for audit and compliance review.



## Built for Manufacturing-Scale Trust

Futurex brings IoT key injection into a unified CryptoHub control model, enabling secure device identity provisioning, centralized policy enforcement, and complete traceability across manufacturing and deployment.

### What are Futurex IoT Key Injection Benefits?

Futurex Payment Key Management gives payment and security teams stronger control, reduced operational complexity, and clearer audit visibility across live payment environments.

- **Establish Device Trust at Manufacturing:**

Provision unique identities and certificates before devices leave production environments.

- **Eliminate Manual Provisioning Steps:**

Integrate key injection directly into manufacturing workflows to reduce post-deployment effort.

- **Ensure Secure Device Communication:**

Enable certificate-based authentication and encrypted communication from the first connection.

- **Improve Traceability & Compliance:**

Maintain complete records linking device identity, provisioning events, and manufacturing data.

### IoT Key Injection Strengthened

Centralizes device identity provisioning across manufacturing environments

Anchors key generation and injection in HSM-backed infrastructure

Integrates PKI and certificate issuance into production workflows

Supports high-volume provisioning with validation and traceability

Delivers audit-ready visibility across device lifecycle and deployment

## 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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