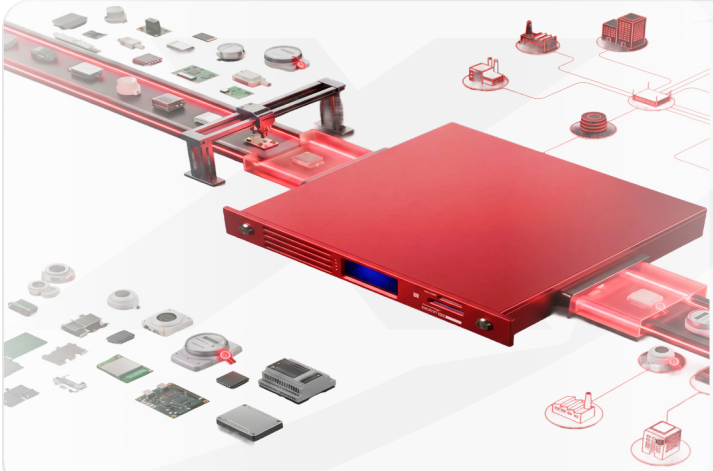
DATA SHEET

IOT CA

Automate device certificate management

HSM-backed device certificate operations from factory to field

Futurex IoT CA provides security, product, and manufacturing teams with a centralized certificate authority for connected device identity across manufacturing, staging, and field deployment. Teams can issue device certificates during production, connect device identities to trusted CA hierarchies, manage certificate status as devices age, and support certificate renewal or revocation after devices leave the factory.



Centralized CA Control for Connected Devices

- HSM-backed CA signing
- Automated CSR intake
- Manufacturing enrollment support
- Certificate lifecycle workflows
- Edge, cloud, and hybrid deployment support

IoT CA Capabilities

Device Certificate Issuance

Automate CSR processing, device enrollment, and X.509 certificate issuance for connected devices.

Manufacturing Provisioning Workflows

Support production-line certificate provisioning and certificate injection workflows tied to device build, staging, and activation processes.

CA Hierarchy and Trust Management

Manage root, subordinate, and issuing CA relationships used to establish device trust chains and certificate validation paths.

Lifecycle and Status Control

Track expiration, renew deployed certificates, revoke compromised certificates, and validate certificate status through CRL and OCSP workflows.

Policy and Audit Controls

Apply certificate policy, document lifecycle events, and maintain records for issuance, renewal, revocation, and replacement activity.

Deployment Flexibility

Support device certificate operations across edge, cloud, and hybrid environments where connected devices and validating systems operate.

Built for Device Identity Control

Futurex IoT CA connects factory enrollment, certificate issuance, trust-chain management, and field renewal in one HSM-backed operating model. Teams can manage device certificates without splitting CA operations across disconnected production and deployment workflows.

What Does Futurex IoT CA Do for You?

Futurex IoT CA helps teams keep device identity consistent after devices leave production and continue operating across connected environments. Futurex IoT certificate management unifies coordination across factories, PKI teams, device platforms, gateways, and field operations.

• Reduce Validation Drift

Keep device identity checks consistent across gateways, IoT platforms, device management environments, and enterprise applications.

• Connect Factory and Field Operations

Carry certificate activity from production and registration into field-service workflows.

• Coordinate Across Split Teams

Give security, manufacturing, PKI, and operations teams a shared certificate operating model.

• Support Long-Life Devices

Manage policy updates, staged migration planning, controlled replacement, and ongoing trust management as devices age.

• Clarify Device Certificate History

Tie certificate actions to device identity so teams can see what changed, when it changed, and which systems were affected.

Built for Field-Scale Certificate Operations

- Certificate chain distribution to systems that validate device identities.
- Field-service workflow support for deployed certificate operations.
- Over-the-air renewal support for environments that require remote certificate updates.
- Validation support across IoT platforms, gateways, connected device management environments, and enterprise applications.
- CA authority separation between trust administration and operational certificate workflows.

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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864 Old Boerne Road,
Bulverde, Texas 78163