

# KEYFACTOR CONTROL



## Keyfactor™ Control

Tight budgets and product-development cycles make it nearly impossible to consider all the factors necessary to embed strong security measures throughout the full product lifecycle – let alone, ensure sustainability. Customer safety, privacy and well-being could be at stake. Failure is not an option. You must find a way to get it done right, on time, and on budget.

Keyfactor Control makes it easy and affordable to embed high-assurance secure identity into every step of the IoT device lifecycle. Through design, manufacturing, deployment and ongoing management, Keyfactor Control provides the identity foundation you need to produce and sustain the most secure devices on the market – giving you the freedom to design great products and the confidence that they'll deploy and remain secure throughout their use.

### Empower Your Development Teams to Build it Right – from the Start

Including identity and security into a device shouldn't be an afterthought – it should be rooted in the design. Keyfactor Control makes it easy to incorporate robust cryptography that ensures your devices do only what you intend them to do throughout their lifecycle. Integration into existing systems through APIs and plug-ins allows your ecosystem to authenticate device identities and enforce access control.

Whether it's around the corner or around the world, if a device has been deployed without appropriate identity provisioning, it's nearly impossible to remediate. Keyfactor Control helps you provision your device identity certificates securely across a variety of manufacturing scenarios including offshore or semi-trusted manufacturing facilities. This flexibility allows for continuous control of those identities and their trust anchors over the life of the product.

### Manufacture and Deploy Anywhere with Confidence

Scalable security is a key factor in ensuring your entire product line runs smoothly and has a prolonged shelf life. When you own a product line, there's nothing more meaningful, or more challenging, than securing every product on a global scale. Whether it's a controlled update, new certificate configuration, or an unexpected breach, it's critical to stay on top of your entire device fleet.

From one device to millions, running in the cloud or on-prem, Keyfactor Control enables updatability and control, even when devices have sporadic or limited connectivity – every device, anywhere in the world, at any time. Identities are operating system agnostic and inventory and management occurs without having to recall or replace devices, or wait for a maintenance window when devices are offline.

The options are limitless. Be free to consider the best and most cost-effective ways to get things done knowing you can ensure authenticity and security during build and deployment.

## Manage Authenticity Throughout the Entire Lifecycle

Authentication, authorization and encryption are the lifeblood of successful digital identity security. Unique digital certificates validate that a device is authentic and provide high assurance that its messages are genuine. The end user is counting on you to build a product that will stay secure every day, during every use.

Keyfactor Control makes it easy and affordable to build in high-assurance security identity at every step of the IoT device lifecycle.

With Keyfactor Control, you get:

### SECURE CODE SIGNING

Signing firmware and software updates is a critical best practice to ensure that the software installed in your devices is genuine.

### INSTALLATION AND IDENTITY PROVISIONING

Installation of Keyfactor Control and provisioning of a secure and unique identity during the device activation process.

### EXTENSIBILITY

Offers one-step automation of certificate and Root of Trust (RoT) management, and is available for embedded Android and native-C for real-time operating systems.

### ROOT OF TRUST MANAGEMENT

Centralized management of certificates, key stores, and trust stores across all devices, applications, servers and services within the IoT ecosystem.

### EXTENDED IDENTITY ATTRIBUTES

Bind custom attributes to device identities without having to modify, revoke or reissue any certificate.

### IoT ECOSYSTEM INTEGRATION

APIs and plug-ins allow the IoT ecosystem to authenticate device identities and enforce granular access control based on extended attributes.

### MASS SCALABILITY

Proven in environments of 500 million devices, running either on-premise, in the cloud, or in a custom-architected hybrid mode.

### PRIVATE AND PUBLIC CERTIFICATE AUTHORITY

Includes a fully managed private PKI and supports both internal certificate authorities, as well as public issuers such as Certicom, DigiCert, and Entrust.

### SDK & API

Incorporate encryption, authentication and secure code signing within your IoT devices and applications using Control SDKs and APIs.

READY TO GET STARTED? VISIT [WWW.KEYFACTOR.COM](http://WWW.KEYFACTOR.COM)  
AND CONNECT WITH ONE OF OUR IoT SECURITY SPECIALISTS.

#### ABOUT

## KEYFACTOR

Keyfactor, formerly Certified Security Solutions (CSS), is a leading provider of secure digital identity management solutions that enables organizations to confirm authenticity, and ensure the right things are interacting in the right ways in our connected world.

#### CONTACT US

- ▶ [www.keyfactor.com](http://www.keyfactor.com)
- ▶ 216.785.2990