

“Smart” devices that link to one another and to the internet are now fundamental to a wide variety of use cases across every industry—from aerospace to healthcare. While connected devices can enable innovative revenue models, improve device functionality, and enhance visibility and control, they also introduce significant business, legal, and compliance risks. That’s why it is imperative for enterprises using connected devices to include security and identity management at the device level and to continually fortify their capabilities to stay ahead of threats.

In order to take full advantage of the Internet of Things (IoT) at the enterprise level, users must:

- authenticate connected devices easily, scalably, and cost effectively
- protect them from fraud, theft, and tampering
- ensure interoperability with products from suppliers and customers, regardless of the technology on which they run
- maintain required levels of integrity without downtime

Sectigo’s industry-first end-to-end IoT Identity Platform provides all these capabilities. Made possible through the acquisition of Icon Labs, a provider of security solutions for embedded OEMs and IoT device manufacturers, our IoT Identity Platform offers embedded device identity and integrity technologies, as well as purpose-built certificate issuance and management. It can be used to issue and renew certificates using a single trust model that’s interoperable with any issuance model and across all supported devices, operating systems (OS), protocols, and chipsets.

IoT Identity Manager



Cloud Based Certificate Issuance



On Premise Certificate Issuance



Certificate Lifecycle Management

Device Identity and Integrity



Embedded PKI Client



TPM Library



Secure Key Storage



Secure Boot



Embedded Firewall



Data at Rest Protection

Sectigo IoT Identity Manager provides:

- **Cloud-based Certificate Issuance** – Issue certificates for IoT devices via the cloud during manufacturing or when first installed on a customer network, ensuring device authenticity and enabling secure communication.
- **On-Premise Certificate Issuance** – Issue certificates for IoT devices on demand during manufacturing or when first installed on a customer network using on-premise issuance to ensure device identity and secure communications.
- **Certificate Lifecycle Management** – Use our lightweight PKI agent to perform certificate lifecycle management in the field without device downtime.

Our Embedded Device Identity and Integrity Technologies include:

- **Secure Boot** – Verify every device's bootloader, microkernel, OS, and apps. Ensure the code running on a device is the authorized code.
- **Embedded Firewall** – Integrate with Real Time Operating Systems (RTOS) and Linux to configure filtering rules and offers deep packet inspection for industrial protocols, ensuring devices are protected from network-based attacks.
- **Trusted Platform Module (TPM) Library** – Support TPM chips on endpoint devices to ensure hardware authentication.
- **Embedded Public Key Infrastructure (PKI) Client** – Use PKI as the framework of encryption and cybersecurity to protect communications between and among devices and the internet.
- **Secure Key Storage** – Store certificates on devices using our integration library to the hardware's Secure Element, TPM, or our software-based secure certificate storage.
- **Data at Rest Protection** – Encrypt the data on devices and protect it from malicious actors.

The Sectigo IoT Identity Platform removes the complexity associated with securing and authenticating connected devices, so you can protect your infrastructure in a way that is scalable, cost-effective, and easy to manage. By removing security and authentication as barriers, you can maximize the value of your IoT solutions and enjoy the peace of mind that comes from knowing your connected devices are protected in a shifting threat environment, not just today but for years to come.

About Sectigo

Sectigo provides purpose-built, automated PKI solutions that secure websites, connected devices, applications, and digital identities. As the largest commercial Certificate Authority trusted by enterprises globally for more than 20 years, and more than 100 million SSL certificates issued in over 200 countries, Sectigo has the proven performance and experience to meet the growing needs of securing today's digital landscape. For more information, visit www.sectigo.com.