

Sectigo cloud-based Private PKI for manufacturing

To enable secure authentication and prevent counterfeiting, OEMs and manufacturers must add certificates to their IoT devices and security chips at the assembly line. But a general-purpose Certificate Authority (CA) cannot issue certificate keys directly on devices or easily encode individual product serial numbers into those certificates. Instead, manufacturers need a purpose-built certificate issuance process that is:

- ✔ **Automated**, in a way that generates keys and serial numbers in the secure elements of individual devices
- ✔ **High-speed**, independent of an internet connection and without delays caused by routing packets from a cloud CA
- ✔ **Scalable**, for use on a single production line to use in multiple factories around the world with many production lines in each facility



Sectigo's Private PKI for Manufacturing provides OEMs and manufacturers of IoT devices with the flexibility to use cloud-based approaches for issuing and managing their private certificates at scale. It enables rapid deployments that don't rely on internet connections for continuous high-speed manufacturing and can take advantage of off-the-shelf hardware and cryptographic modules for protection of private signing keys. Moreover, Sectigo Private PKI for Manufacturing is interoperable with all leading devices, operating systems, protocols, and chipsets. It provides visibility and management through a single pane of glass, enabling security administrators to easily and cost-effectively monitor certificates across the enterprise.

Sectigo can help

Our Private PKI for Manufacturing is a purpose-built Public Key Infrastructure (PKI) platform that enables organizations to automatically issue and manage private certificates for all devices in the factory and across the enterprise.

Sectigo Private PKI for manufacturing enables your security team to:

- **Automated certificate deployment**

Sectigo offers a REST API that allows you to easily integrate certificate issuance, renewal, and management with your specific workflow and environment.

- **Scalable certificate issuance**

Sectigo Private PKI for Manufacturing issues certificates automatically, making it easy to use PKI to ensure security for your devices, whether you're making hundreds, thousands, or millions of them.

- **Full certificate lifecycle management**

With Sectigo Private PKI for Manufacturing, certificates are automatically renewed and replaced, so users can enjoy seamless device access. You can also easily revoke certificates, terminating access as needed.

- **Secure key storage**

Sectigo Private PKI for Manufacturing stores certificates on devices using the secure Trusted Platform Module (TPM) or a Hardware Security Module (HSM).

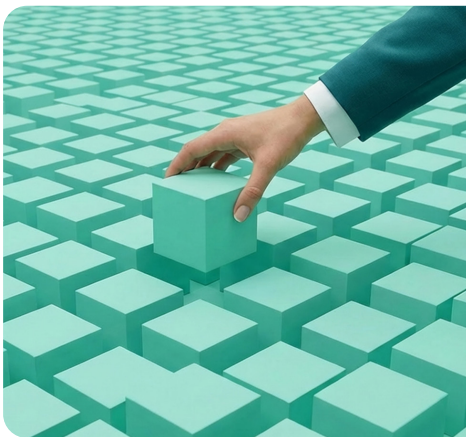
- **Counterfeiting prevention**

Sectigo Private PKI for Manufacturing allows you to easily encode individual product serial numbers into device certificates.

- **Enhanced visibility and reporting**

Sectigo Private PKI for Manufacturing lets you view the status of the certificates in use through a single pane of glass, so you can see expiration dates and prevent service disruptions.

With Sectigo Private PKI for Manufacturing, your security team can easily enforce cryptographic security, prevent data loss via unauthorized access, and future-proof your IoT devices and chips.



Sectigo also offers Sectigo Certificate Manager — an end-to-end certificate lifecycle management platform — that can automate certificate management across a wide variety of use cases throughout the organization, including mobile devices, web servers, DevOps, Private S/MIME, VPN access, network devices, and more. Choosing a partner with Sectigo's experience, scale, and commitment to security gives you peace of mind, so you can stop worrying about adding security to your IoT devices and instead concentrate on what you do best — running your business.

About Sectigo

Sectigo is a leading provider of Certificate Lifecycle Management (CLM), helping organizations secure human and machine identities while reducing the hidden risks of modern digital trust. As certificate volumes grow and lifespans shrink, unmanaged certificates are becoming a source of outages, compliance exposure, and operational disruption. Sectigo uses Orchestrated Automation to deliver Simplicity at Scale through its cloud native CLM platform, bringing visibility, control, and lifecycle management together across complex environments. With more than 700,000 customers, including 65% of the Fortune 500, Sectigo is one of the largest and longest standing certificate authorities, with over 20 years of delivering unparalleled digital trust. For more information, visit www.sectigo.com or follow us on [LinkedIn](#).

