Keyfactor

EJBCA Hardware
Appliance

Your PKI.
In a box.

The EJBCA Hardware Appliance is a turnkey, enterprise-grade PKI-in-box that's the easiest and most efficient way to run PKI in your data center or at the edge.

When it comes to implementing technology, there are two options: build it or buy it. But when it comes to security, especially PKI, nothing can be left to chance. Rather than source, integrate, and harden all the components of a PKI, Keyfactor provides a turnkey hardware appliance to simplify getting a PKI operational, either in a data center or at the edge.

Enable digital trust at the edge

Not every PKI use case can utilize a cloud or SaaS solution. It could be a lack of bandwidth or reliable connectivity to process the critical tasks of a PKI. It could be a part of corporate policy or a standard requiring on-premises hardware. No matter the reason, you still need PKI and need it to be easy. A turnkey PKI takes care of everything.

Simplify your PKI

PKI is critical infrastructure. It shouldn't be piecemealed together across many vendors. One hardware appliance, can be a certificate authority (CA), registration authority (RA), or validation authorities (VA), eliminating costly licensing and unruly third-party support.

Updates and upgrades are delivered as complete and tested software packages so that you can run smoothly without errors and downtime.

Example use cases:

- On-premises enterprise deployments
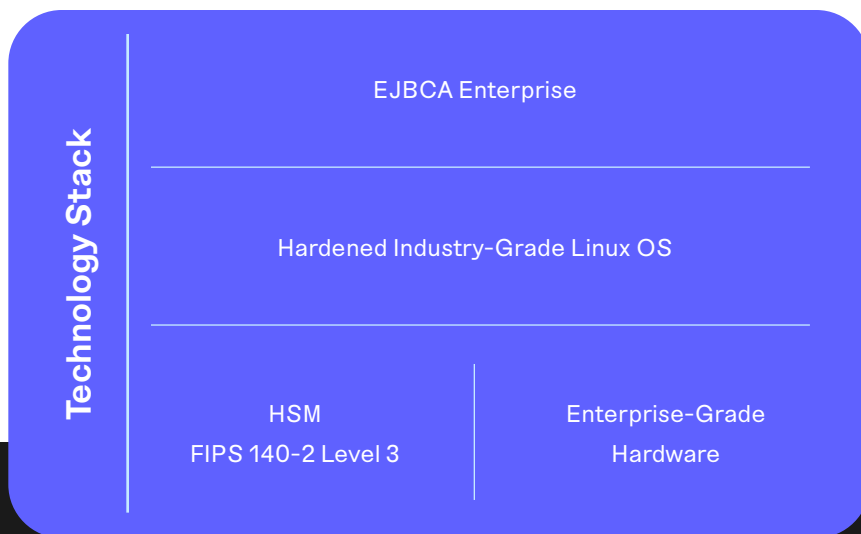- IIoT/IoT and Manufacturing
- National PKI & eID

Key Benefits:

→ Self-contained, stand-alone PKI

→ Turnkey appliance
- No cloud required

→ Ready to deploy
- No need to source, build, and harden your own components
- All software and OS installed and pre-patched
- UI for maintenance and configuration

→ Ready to scale
- Easy clustering for resilient and flexible PKI architecture

→ The world's most widely used PKI platform at the core

Flexible and scalable

Have your PKI run efficiently and scale easily with reliable and high-performance hardware, essential for the operation of critical infrastructure. From the Starter configuration for low volumes of certificates all the way up to the Enterprise, designed to handle millions of certificates, the EJBCA Hardware Appliance can meet your needs for today and tomorrow with the backing of the power of the world's most widely used PKI solution.

EJBCA	Starter (A and B)	Professional (C–E)	Scale (F–H)	Enterprise (I and J)
Best for	Non-production and low volume use cases	Small to medium enterprise IT needs	Medium to large enterprise or manufacturing needs	Large enterprise IT and manufacturing needs
Active Certificate Capacity	2,500-10,000	25k-100k	150k-500k	1M-2.5M+

Technology Stack

EJBCA Enterprise

Hardened Industry-Grade Linux OS

HSM
FIPS 140-2 Level 3

Enterprise-Grade Hardware

Key features:

- Highly resilient system design including field replaceable, redundant power supplies; redundant SSD drives; and ECC protected RAM.

- Security best practice hardened system with a hardened Linux OS.

- Out of the box support for all the standardized protocols and APIs offered by EJBCA: SCEP, ACME, EST, CMP, Web Services API, REST API, and more.

- Simplifies management with an intuitive management GUI with no need for low level access.

- Secure cryptographic keys with an FIPS 140-2 Level 3 Certified HSM.

- Native High Availability with ability to cluster for redundancy purposes.

Get Started

Ready to modernize your PKI?

Contact us at sales@keyfactor.com or via phone at +1 (216)-785-2946.