IoT SECURITY DEPLOYMENT AS-A-SERVICE

SIMPLIFYING IoT SECURITY

Define, provision and deploy robust IoT and automotive device security using an efficient device programming system, easy-to-use tools and a flexible as-a-service model.

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OEMs, service providers and enterprises need strong device security for IoT applications

Brand Protection

IP Protection

Regulation

Supply Chain Integrity

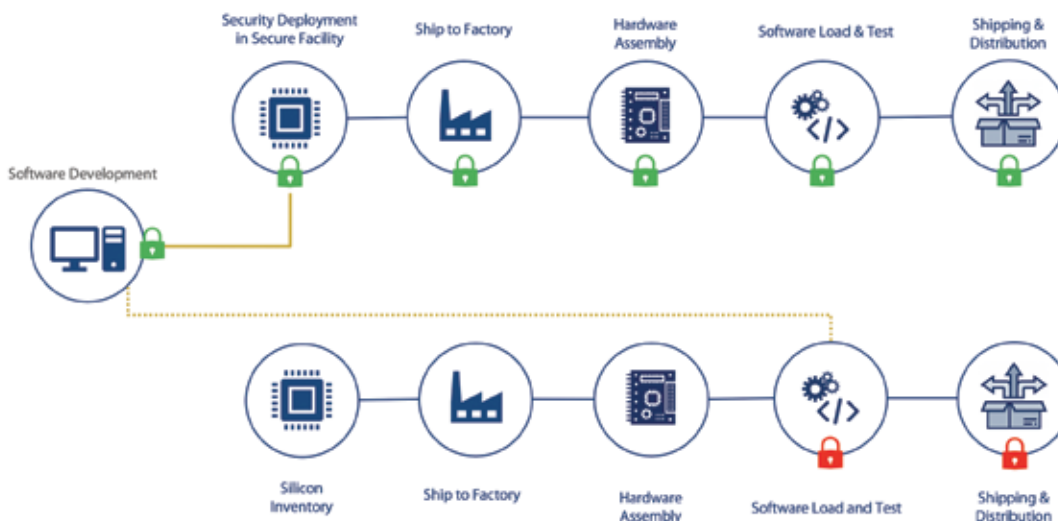## SentriX® security deployment as-a-service benefits

$ Commerical Benefits
No minimum order quantities
Per part fee model
Deployed globally

Ease of Use
Preconfigured security use cases
Intuitive collaboration tool
Low and high-volume production

Robust Security
Deploy security prior to board assembly
Cryptographic protection of secrets & firmware
Support silicon device hardware Roots of Trust

Security Deployment in Secure Facility → Ship to Factory → Hardware Assembly → Software Load & Test → Shipping & Distribution

Software Development

Silicon Inventory → Ship to Factory → Hardware Assembly → Software Load and Test → Shipping & Distribution

Deployment model comparison
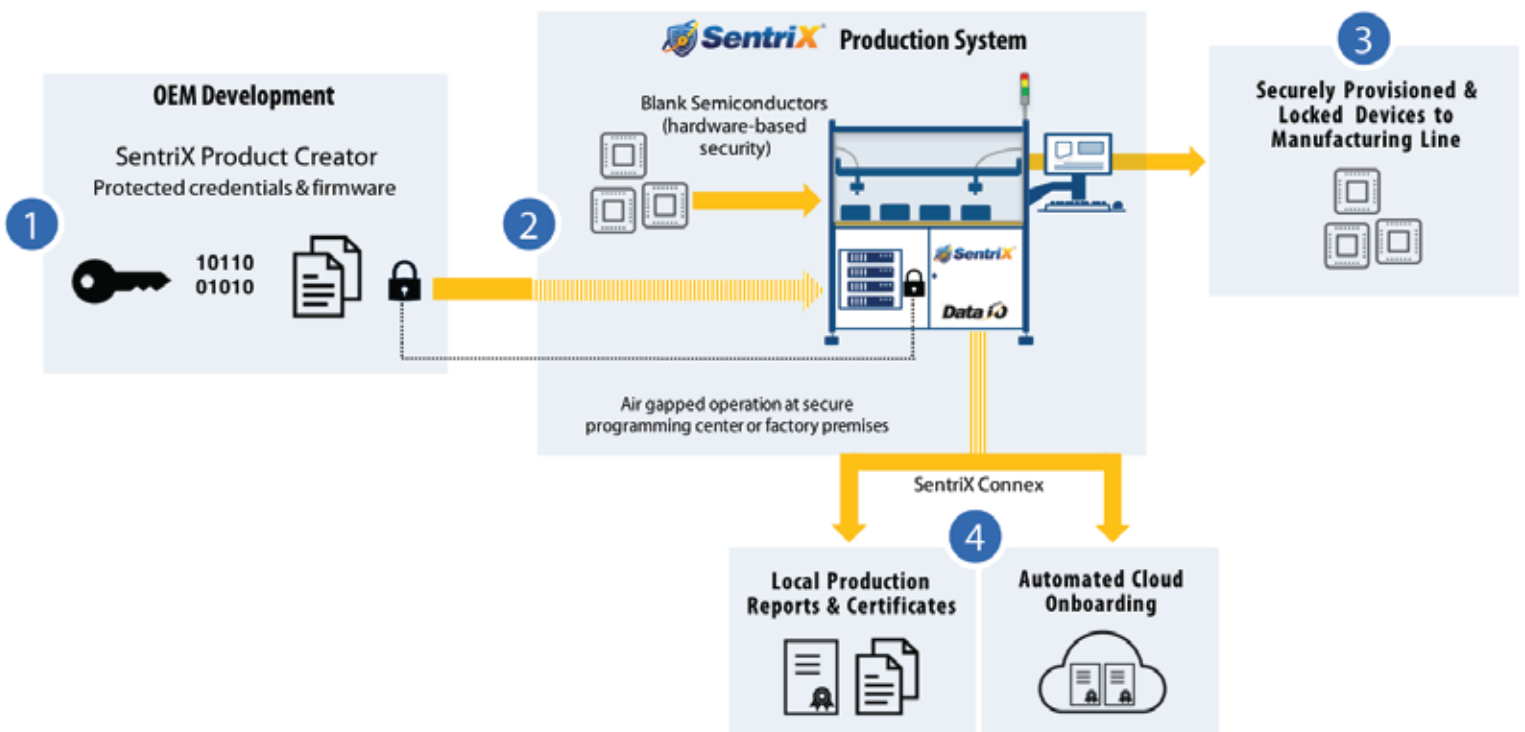
Data I/O SentriX Security Deployment as-a-Service
Low upfront & operating expense
Reduced attack surface

Traditional Security Deployment
Large upfront & operating expense
Increased attack surface

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To learn more visit www.dataio.com/SentriX or email SentriX@dataio.com

How it works: Simplifying IoT security

SentriX Production System

OEM Development

SentriX Product Creator
Protected credentials & firmware

1

10110
01010

Blank Semiconductors
(hardware-based
security)

2

3

Securely Provisioned &
Locked Devices to
Manufacturing Line

Air gapped operation at secure
programming center or factory premises

SentriX Connex

4

**Local Production
Reports & Certificates**

**Automated Cloud
Onboarding**

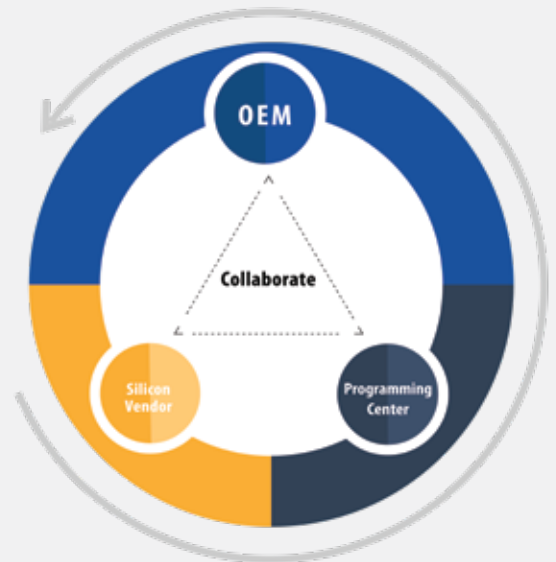---

SentriX Product Creator Deployment Models

SentriX GO™*
Easy-to-use
Supports most common use cases
Moderate flexibility
Suitable for high or low volume

Custom
Powerful collaboration tool
Supports complex provisioning
High flexibility
Suitable for high volume

*Use cases based on device functionality but include device
ID, cloud onboarding, secure boot, authenticity verification,
access control and static data.

OEM

Collaborate

Silicon
Vendor

Programming
Center

**Securely exchange and delegate responsibility for
security inputs**

**One tool for OEM, silicon vendor and programming
center operations**

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