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.

SentriX

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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
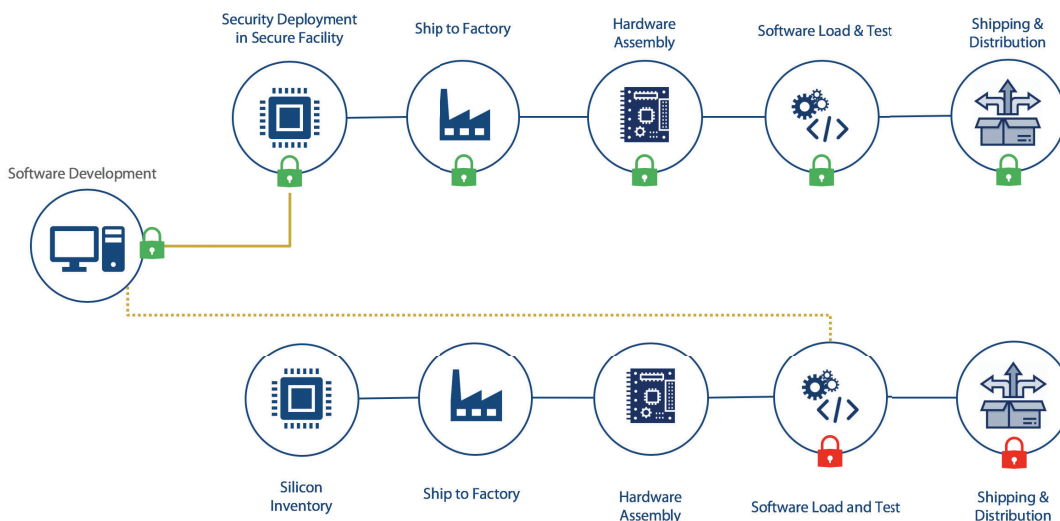No minimum order quantities
Per part fee model
Deployed globally

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

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

Software Development

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

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

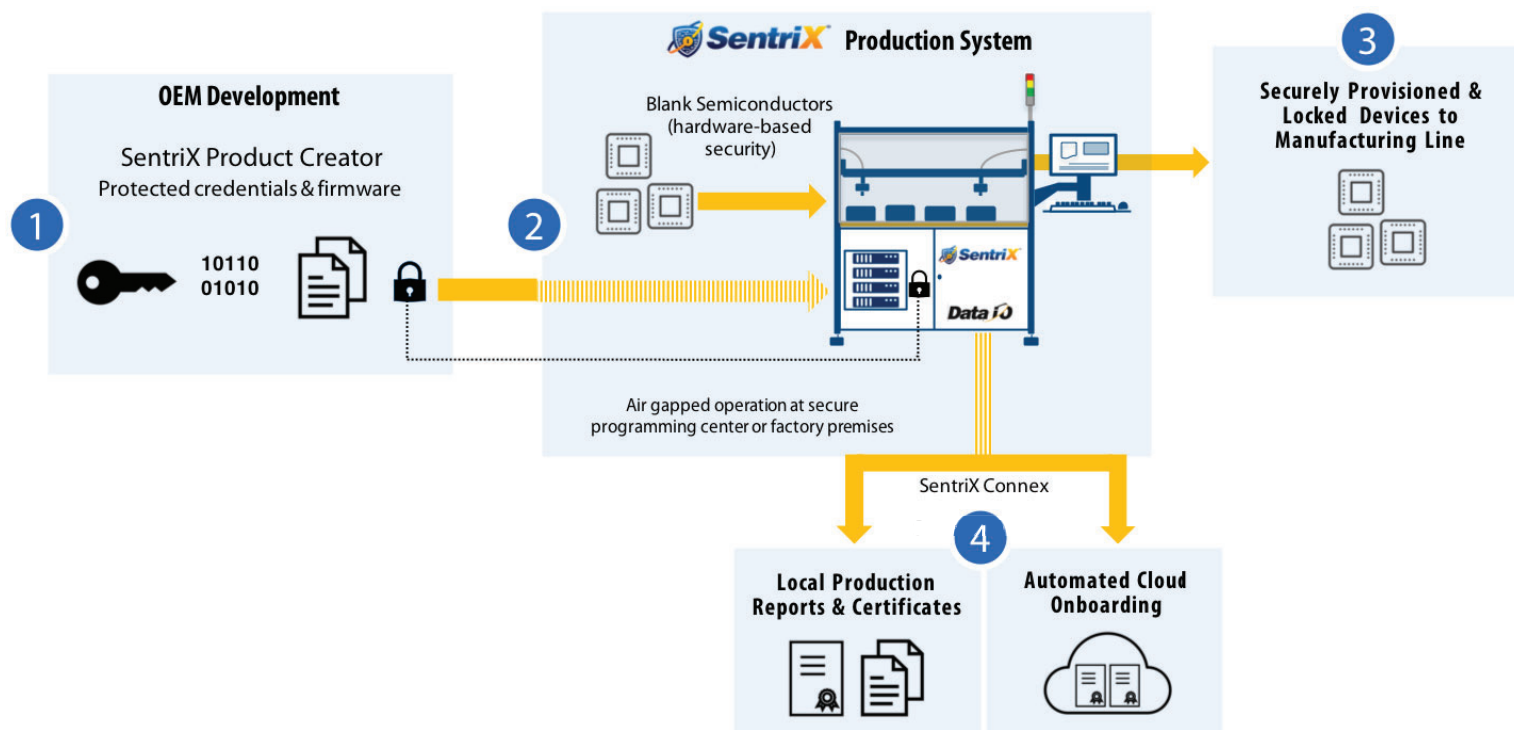### Traditional Security Deployment
Large upfront & operating expense
Increased attack surface

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How it works: Simplifying IoT security

OEM Development

SentriX Product Creator
Protected credentials & firmware

1

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2

SentriX Production System

Blank Semiconductors (hardware-based security)

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

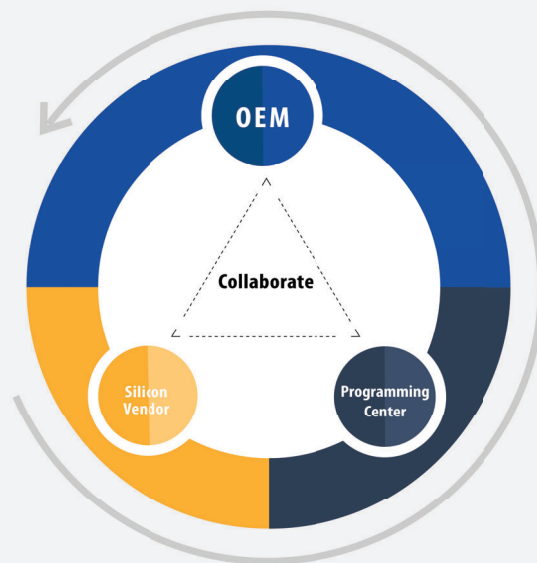# SentriX Product Creator Deployment Models

Pre-configured Use Cases*
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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To learn more visit www.dataio.com/SentriX or email SentriX@dataio.com

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