

1. Development of SCU application systems to demonstrate practical technologies

A
Creation & Confirmation

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Development of SCU application model systems equipped with public key cryptographic engines, etc. suitable for each embedded device/field, such as extremely-small type, high-speed/energy-efficient type, advanced-functional type.

Technical Features

- To Embed cryptographic engines as roots of trust applicable in cost and performance for various types and large numbers of small IoT devices (creation of trustworthiness).
 - ✓ Implements mutual authentication of cryptographic devices suitable for various model systems with high-speed engines.
 - ✓ Build the model system, Establish SCU application system, and demonstrate practical technology.
 - ✓ Promoting social implementation of SCU equipped with public key encryption engine.

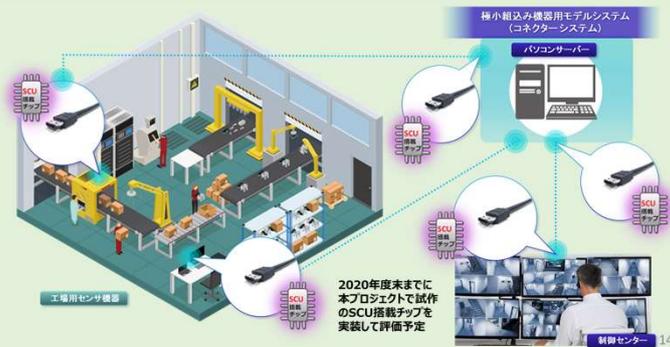
Model System 1

SCU application model system for general embedded devices



Model System 2

SCU application model system for ultra-small embedded devices



Model System 3

SCU application model system for searchable encryption



Model System 4

SCU application model system for aggregate signature

