Rambus

CryptoManager Trusted Services

Flexible cloud-to-silicon secure connection, analytics, and security lifecycle management services for device OEMs, service providers, and operators.

Device Security Lifecycle Management

- Cloud-to-silicon security ecosystem across multiple chipset and PaaS architectures
- Secure credential management, authentication and device protection
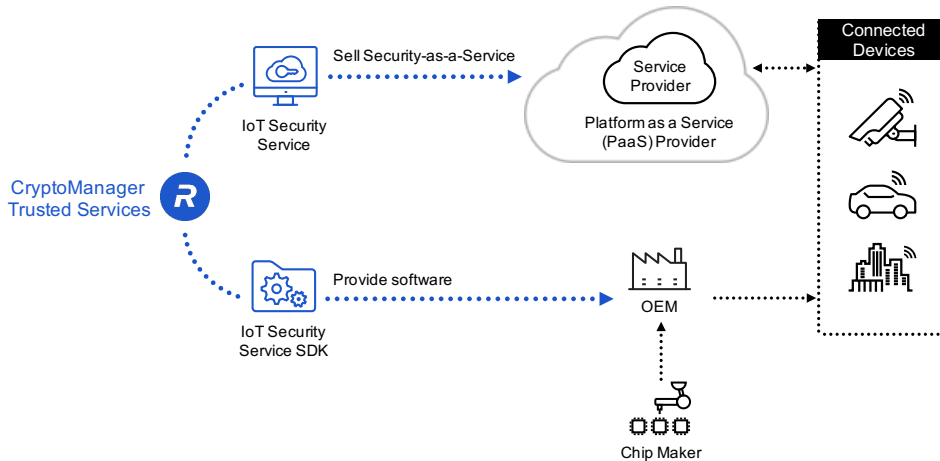
Seamless Secure Connectivity

- Out of the box secure connectivity based on mutual authentication
- Establish independent trust between devices and services

Flexible Platform Integration

- Designed to integrate with multiple chipsets and PaaS architectures
- Secure services implemented via a hardware or software root of trust

Overview

The Rambus CryptoManager™ Trusted Services platform supports a variety of root of trust configurations, through either secure hardware or software, providing a scalable and flexible security solution. Our solutions support out-of-the-box secure connectivity, device and service mutual authentication, and device security lifecycle management. The IoT Security Service provides a turnkey security management solution that is designed to support multiple chipset and PaaS architectures to protect service high-availability for OEMs and service providers.

Use Cases

Our platform provides a secure trusted foundation to chip manufacturers, OEMs and IoT Service Provider for variety of use cases:

- Secure connectivity without needing additional hardware
- Device security credential management and monitoring
- Flexible deployment options by supporting a combination of chipsets and PaaS providers
- Replacement of device credentials in the event root keys are compromised
- Device Attestation
- Device Decommission and Reassignment

Complete Cloud-to-Silicon Trusted Services

By providing a secure foundation for downstream device configuration, chipmakers have the flexibility needed for post-manufacturing inventory management. Additionally, service providers have a trusted path to customers for feature enablement and service delivery in applications including mobile, automotive and IoT segments. The Trusted Services are enabled via our pre-provisioned keys, creating a seamless integration of security and value added services for OEMs and service provider.

rambus.com/trustedservices