



TRUSTBOX EDGE

The Scalys TrustBox Edge (Scalys-TBOXINDS1) is an Industrial grade, tamper-resistant secured Azure IoT Edge device optimized for confidential computing using enclaves. TrustBox Edge comes pre-loaded with Open Enclave SDK and is Azure IoT Edge ready so you can immediately focus on your confidential computing workloads.

HARDWARE SPECS



Key features

- Microsoft® Azure IoT Edge ready
- Microsoft® Open Enclave SDK pre-installed
- NXP QorIQ® Trust Architecture
- ARM™ TrustZone v8
- NXP crypto operation, secure boot, secure storage



Processor

NXP™ QorIQ LS1012A single core 64-bit ARM™ Cortex®-A53 network processor 800 MHz Core operation



Connectivity

- 2x 1Gb Ethernet
- 2x USB 3.0 & 1x USB 2.0 (UART)
- I2C, UART, SPI, SDHC
- Wi-Fi b/g/n



Memory

- 1 GB DDR3L SDRAM
- 64 MB NOR Flash
- 8 GB MicroSD card
- Factory Default Storage



SECURITY

Security is crucial for trust and integrity at the edge. TrustBox Edge offers complete end-to-end security featuring cutting-edge hardened hardware platform and software level of security.

TrustBox Edge leverages NXP's Trust Architecture to deliver a strong security foundation for devices deploying containers and microservices. The solution simplifies the process of establishing a hardware-based secure domain to isolate security critical functions, resources and peripherals.

* TrustBox Edge pre-installs Azure IoT Edge runtime and Open Enclave SDK.

CUSTOM BOARD DEVELOPMENT

We can support you with a custom board development. Scalys has the knowledge and the IP available to support your custom hardware development or design in a cost-effective integrated solution. This allows you to fully concentrate on your core competencies and enables you to focus on developing your company specific IP.

ABOUT SCALYS

Scalys offers a unique set of High-Grade Secure Communication products and solutions. Together with our sister-company Sintecs we have 50+ years of high-end engineering expertise using leading technology with innovative design concepts to modernize and secure the communication of connected devices. Scalys products and solutions are the core for routers, (I)IoT gateways, communication hubs and edge devices.

STANDARD SUPPLY PACKAGE



- ✓ TrustBox Edge device
- ✓ 8 GB MicroSD card with pre-loaded Open Enclave SDK
- ✓ Power supply with EU, UK, US adaptor plugs
- ✓ Wi-Fi antenna
- ✓ Quick start guide

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