TRUSTBOX EDGE XL

The Scalys TrustBox Edge XL is the high-computing successor of the TrustBox Edge. It is ideally suited for higher computing workloads at the Edge while running securely complex Artificial Intelligence (AI) and Machine Learning (ML) applications. TrustBox Edge XL is an Industrial grade, secured Azure IoT Edge device optimized for Confidential Computing using enclaves.

TrustBox Edge XL comes pre-loaded with Open Enclave SDK and is Azure IoT Edge certified, so you can immediately focus on your confidential computing workloads.

HARDWARE SPECS

Key features
Microsoft® Azure IoT Edge certified
Microsoft® Open Enclave SDK pre-installed
NXP QorIQ® Trust Architecture
ARM™ TrustZone v8

Processor
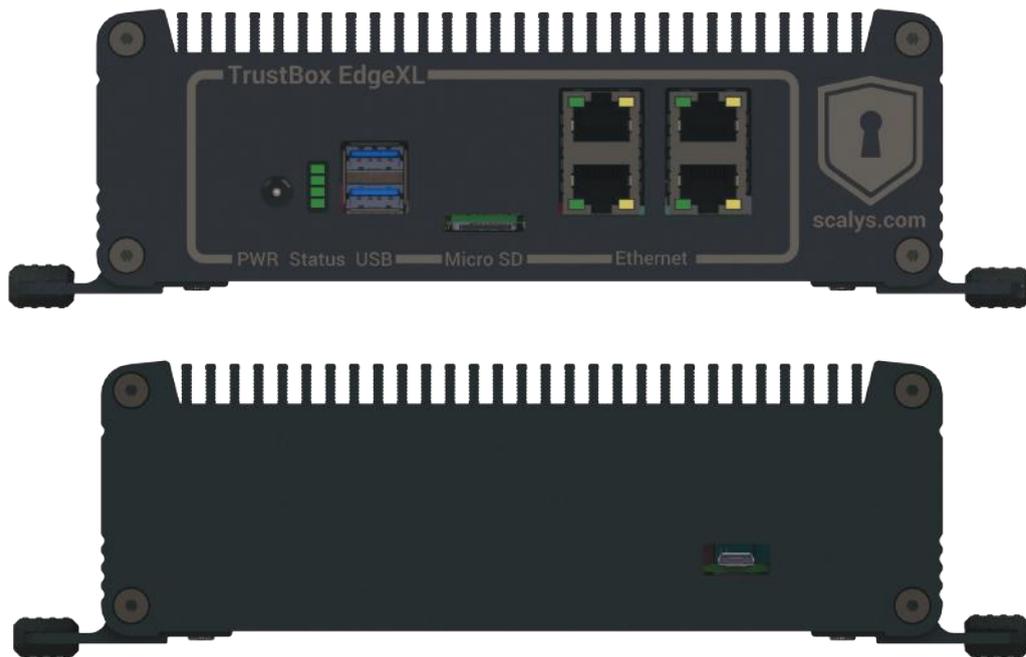NXP™ QorIQ LS1046 Quad core A72 64-bit ARM™ networking processor operating at 1.6 GHz

Connectivity
4x 1Gb Ethernet
2x USB 3.0
1x USB 2.0 (UART)
2x M.2 expansion slots (Wi-Fi, 4G/LTE)

Memory
4 GB DDR4 with ECC @ 2.1 GT/s
512 MB NAND Flash
64 MB QSPI
Micro SD card slot

SECURITY

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

TrustBox Edge XL 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 XL 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.