

TrustBox Edge 201

The Scalys TrustBox Edge 201 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.



KEY BENEFITS

- Optimized Price-Performance
- Secure foundation
- Longevity support (10+ years)
- Industrial temperature grade
- Azure IoT Edge certified



SECURITY

- Strong IoT security implemented
- ARM® TrustZone®
- Trusted Platform Module – Infineon OPTIGA™ TPM
- Protection of IP (e.g. AI / ML models)
- Protect data when in use, storage and at rest (Confidential Computing)



TECHNICAL FEATURES

- NXP LS1028A SOC
- ARMV8 A72 dual core
- 1.5 GHz / 4 GiB
- Infineon OPTIGA™ TPM (SLM9670)



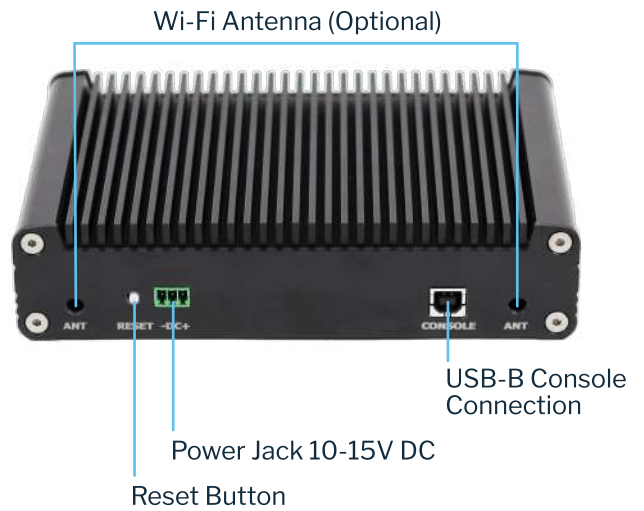
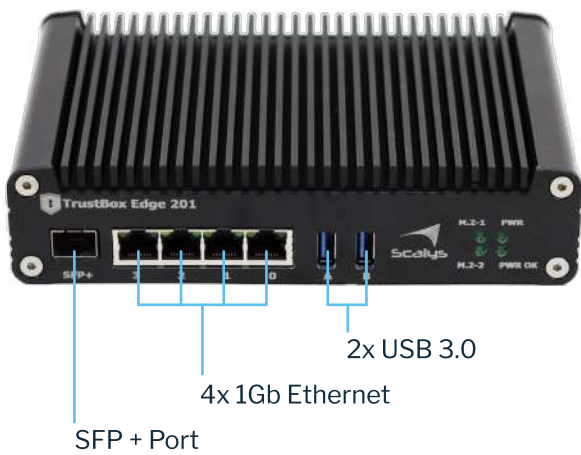
TYPICAL APPLICATIONS

- Industrial Network Infrastructure (control & monitoring)
- BMS gateway (Building Management System)
- Edge computing infrastructure (AI & ML)
- Secure router

SECURITY IS CRUCIAL FOR TRUST AND INTEGRITY

TrustBox Edge 201 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.





CPU AND PERIPHERALS

4 GiB DDR4 (ECC)	LS1028A	ESDHC1 (HS200)
TPM V2.0 (SLM 9670)		ESDHC2 (HS400)
RTC (PCB85063TP)		(e)DP HBR2@5.4G 4Kp60@8bit
Battery backed tamper		SPI 8bit, 2xCS
Power and control		CAN 2.0 B
		USB (2x) 2.0/3.0
	I2C (2x)	GPIO (10x)
	UART (2x)	SerDes: check DS for combinations 10G-QXGMII (4x 2.5G), SGMII (2.5 G), PCIe3 x1 or x2

WHAT'S IN THE BOX

- TrustBox Edge device
- 8 GB MicroSD card with pre-loaded Open Enclave SDK
- Power supply with EU adaptor
- Quick start guide



Scalys is the leader in cyber-secure communication. Our hardware-hardened solutions secure companies around the globe and protect them from cyber threats. Our products are Secure by Design. To ensure that devices are protected from the outset, cyber security must be addressed from the start of design. Through continuous innovation, collaboration and development, we ensure our position as the leader in the market.

For more information visit: scalys.com

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