

NEWSPACE MARKET · COMPANY PROFILE



SEALSQ / WISeSat

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as of 20 August 2026



SEALSQ / WISeSat

SEALSQ Corp is a Geneva, Switzerland-based semiconductor and post-quantum cybersecurity company, publicly listed on NASDAQ (ticker: LAES) and spun off from WISeKey International. The company designs secure microcontrollers, semiconductors, and PKI-based identity solutions used to authenticate and protect connected devices across IoT, automotive, and industrial markets. Through its WISeSat division, SEALSQ operates a nanosatellite constellation designed to extend secure, authenticated IoT connectivity beyond terrestrial cellular networks. WISeSat combines SEALSQ's semiconductor-based device identity and encryption technology with direct-to-satellite communications, enabling secure data transmission for remote assets, supply chains, and industrial sensors worldwide. SEALSQ's combined semiconductor and satellite IoT strategy targets the growing demand for tamper-resistant, quantum-resistant device security in an increasingly connected world, positioning the company at the intersection of cybersecurity, semiconductor manufacturing, and satellite communications infrastructure.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

CertifyID TLS / SSL Server Certificates

SEALSQ provides TLS/SSL certificates for enhancing security over IP networks, authenticating servers, and encrypting communications, with centralized management and automation features.

Managed PKI (WISeID)

WISeID is SEALSQ's digital identity platform offering user-centric managed PKI services for personal certificates, secure email, and document signatures.

Secure Factory Provisioning

SEALSQ provides secure credential injection services during manufacturing, offering various options depending on customer needs and the manufacturing environment.

Trust Services (PKI infrastructure and trust services)

SEALSQ offers Public Key Infrastructure (PKI) and related trust services to enable secure device identity, certificate issuance, authentication, and trusted digital ecosystems for connected devices.

Zero Touch Provisioning in the Field (ZTP)

SEALSQ offers an automated, cost-effective service for over-the-air provisioning of digital certificates and private keys directly in the field, simplifying IoT device deployment.

Product catalogue



SEALSQ / WISESAT

VaultIC408 — Post-Quantum Secure Element for IoT

The VaultIC408 is SEALSQ Corp’s commercial secure element (secure microcontroller) designed for IoT device identity, authentication, and post-quantum cryptographic operations

Certifications	Common Criteria EAL5+; FIPS 140-3 Level 3 (CMVP validated)
Cryptographic algorithms	ECC up to 572-bit, AES, SHA-256/384/512, ECDSA (FIPS 186-4), ECDH
Key storage	Up to 16 kB user file system
Operating voltage	1.62–5.5 V
Operating temperature	-40°C to +105°C (extended industrial)
Packages	SOIC8 (8.0 × 5.2 × 2.0 mm); QFN20 (4.0 × 4.0 × 0.75 mm)
Compatibility	AWS IoT, Azure IoT Hub, WolfSSL, mBedTLS

price on request



SEALSQ / WISESAT

WISeSat — Post-Quantum Secure LEO IoT Satellite Constellation

WISeSat (WISeKey/SEALSQ) is a 21-satellite (growing to 100) LEO LoRa IoT constellation at 450–600 km SSO: store-and-forward LoRa at 300 bps/80 B, post-quantum cryptography (ML-KEM/

Satellites deployed	21 (as of mid-2026); target 100-satellite constellation
Orbit	LEO, 450–600 km, near-polar SSO (~97.4° inclination)
Protocol	LoRa (LPWAN) – store-and-forward
Frequencies	915 MHz / 868 MHz (UHF ISM); ~435–438 MHz (licensed UHF)
Data rate per packet	~300 bps
Max packet size	80 bytes
Daily passes (21-sat)	>10 per device per day

price on request

Contact SEALSQ / WISeSat

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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<https://www.sealsq.com>

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