

How to unlock simple, scalable and secure IoT authentication: **EdgeLock® A30**



Certified security– **simplified**

The Common Criteria EAL6+ certified EdgeLock A30 is designed to enable manufacturers to quickly and easily deliver a secure authentication solution for devices and accessories across a wide range of markets, including gaming, computing, smart home, industrial and healthcare.



Supporting multiple **use cases**

The EdgeLock A30 supports multiple authentication use cases – device to device, device to cloud, counterfeit protection, storage and protection of device identity – so developers can enable these functionalities in a variety of devices and accessories with a single solution.



Meeting **regulatory** **requirements**

New regulatory requirements, such as the EU's Batteries Regulation 2023/1542, require the use of a Digital Product Passport by 2027, including a digital record of important information about a product's composition, origin and lifecycle. The EdgeLock A30 makes it easier to meet these new requirements.



Enabling flexible **design-in**

Designed as a companion chip, intended for use with standard MCUs and MPUs, the EdgeLock A30 includes an I²C target and offers 16 kB of memory. It is available in small, lightweight WLCSP and HVQFN20 packages and supports an extended temperature range of -40° C to +105° C.



Ensuring secure **operation**

Offering a dedicated, safe environment for the secure storage for credentials, the EdgeLock A30 complies with the latest security standards, is CC EAL6+ certified (including AVA_VAN.5), and implements cryptography as specified in the current NIST and FIPS standards.



Enabling quick **deployment**

Asymmetric authentication simplifies key management and key provisioning using PKI (ECC p256). Secure credential delivery (UID list and certificates) and EdgeLock 2GO support for certificate generation and certificate delivery simplifies deployment.



Providing extensive **support**

A complete support package, including middleware, development kit and sample code, helps developers save time while adding secure authentication to their designs.



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announcement

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