

Eviden Launches CardOS Security Token for Enhanced PKI and FIDO2 Authentication

Innovative solution provides secure, passwordless authentication in modern IT environments

Paris, France – August 22nd, 2024 – [Eviden](#), the [Atos Group](#) business leading in digital, cloud, big data and security today announces the launch of the **CardOS Security Token**, a new solution designed to meet organizations' growing demand for secure, passwordless authentication. Based on the CardOS USB V5.6 platform, this innovative token includes both USB and contactless communication interfaces, seamlessly fitting into IT environments with mobiles, tablets, and notebooks which do not have an internal smart card reader.

This leading-edge USB token solution is built for Public Key Infrastructure (PKI) and FIDO2 applications. It provides robust security functions, cryptographic operations, secure creation and storage of cryptographic keys and certificates. It is the ideal solution for clients seeking phishing proof multifactor authentication, portability, flexibility, and ease of use across multiple devices. The security chip and CardOS operating system are certified and made in the European Union.

Yann Vincent, Head of Cybersecurity products, Eviden, at Atos Group, said:
"Passwords are the weak link in authentication by security experts. With the CardOS Security Token, we are addressing this challenge head-on, providing a versatile and secure solution for modern authentication needs. With its CardOS Security Token, Eviden showcases its extensive expertise in digital security and smart card technology. "

Main Features:

- **PKI Support:** Securely creates, stores, and uses cryptographic keys and certificates for secure email, digital signatures, passwordless authentication, and workstation logins.
- **FIDO2 and Passwordless Authentication:** Compliant with FIDO2/CTAP2.1 specifications and certified by the FIDO™ Alliance. FIDO2 enables high security, passwordless phishing proof MFA logins by combining something you have (the token) with something you know (the secret token PIN).
- **Versatile Connectivity:** Offers USB and contactless interfaces, supporting a wide range of devices and environments.
- **Advanced Security:** Utilizes Infineon's security controller platform with Integrity Guard technology for robust protection.
- **Compatibility:** Works seamlessly with CardOS API and SCinterface middleware for easy integration with standard applications on Windows, Linux, and macOS.

- **Convenient and Secure Authentication:** Eliminates the need for users to remember multiple passwords and login names. End users can authenticate with their CardOS Security Token and a PIN, if required, thereby reducing helpdesk costs related to password resets.
- **Ideal for Modern IT Environments:** Well-suited for IT environments and devices without integrated smart card readers, it provides a comprehensive authentication solution that supports various options, including PKI functionality, and FIDO, in any combination. The contactless interface also allows for physical access through MIFARE Classic Emulation.

About Eviden¹

[Eviden](#) is a next-gen technology leader in data-driven, trusted and sustainable digital transformation with a strong portfolio of patented technologies. With worldwide leading positions in advanced computing, security, AI, cloud and digital platforms, it provides deep expertise for all industries in more than 47 countries. Bringing together 47,000 world-class talents, Eviden expands the possibilities of data and technology across the digital continuum, now and for generations to come. Eviden is an Atos Group company with an annual revenue of c. € 5 billion.

About Atos

[Atos](#) is a global leader in digital transformation with c. 94,000 employees and annual revenue of c. € 11 billion. European number one in cybersecurity, cloud and high-performance computing, the Group provides tailored end-to-end solutions for all industries in 69 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is a SE (Societas Europaea) and listed on Euronext Paris.

The [purpose of Atos](#) is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

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