



NEWSLETTER

March 2025



Welcome

With this newsletter we present some insights in our current and new activities.

PKOC

INID XS readers support the NFC Public Key Open Credential (PKOC). PKOC doesn't rely on shared keys for its security. The only key that is shared is the public key. PKOC is based on Public Key Infrastructure (PKI) and doesn't use the Infrastructure complexity and overhead of PKI. PKOC uses asymmetric encryption based on Elliptic Curve Cryptography (ECC).

The PKOC credential contains a unique private and public key pair. The private key is not used and stored anywhere outside the credential. The reader validates the public key via the signature of the private key. The reader outputs a part or the complete public key as credential number.

PKOC is a publicly available specification by the Secure Credential Interoperability (SCI) Working Group of the Physical Security Interoperability Alliance. PKOC is based on the industry standard X.509 for public key certificates.

PSIA is hosting a demonstration of PKOC readers and credentials, Thursday April 3 at ISC West for details see: <https://psialliance.org/events/>.

OSDP

In some way or form the people at Integrated Engineering have been participating in the development of the Open Supervised Device Protocol (OSDP). Dating back from the ASIS International show 2004 in Dallas Texas, when the idea of an open serial device protocol was launched by Frank Gasztonyi of Mercury Security, to a select few companies to start collaborate on. The protocol was originally called Peripheral Device Protocol (PDP-1) and has since been adopted by the Security Industry Association (SIA) and renamed to OSDP. Today many manufacturers of readers keypads, biometric devices and physical access control panels are participating in the development of this open interoperable standard.

Integrated Engineering is a part of the SIA OSDP Technical subcommittee and committed to keep the INID XS readers up to date with the current standard.

A sneak preview into the future.

Integrated Engineering and INID Readers USA are working on the development of a new housing for installation over US and EU style single gang wall boxes.



Artist impression

ISC West 2025

INID Readers USA is present at the ISC West 2025 show in Las Vegas. If you want to meet INID Readers USA to learn more contact INID Readers USA via info@inidreadersusa.com.

More information

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