



Welcome

With this newsletter we announce the availability of firmware updates and reader configuration via OSDP for the INID XS readers.

OSDP firmware updates

Firmware updates and reader configuration via OSDP is yet another flexible method to keep the INID XS readers up to date.

Centralized updates and configuration

Firmware updates and reader configuration via OSDP provide a method of updating and configuring readers from a central location. The centralized nature that OSDP firmware updates and reader configuration offer, eliminates the need of physically visiting the readers.

Firmware and configuration files

The INID XS readers make use of the INID Secure Boot Loader file format. The Secure Boot Loader files are AES256 encrypted and contain features for verification if the file is encrypted with the correct key and if the integrity of the file is intact. OSDP firmware update and reader configuration on the INID XS readers do not support other file formats as Intel hex and binary data.

Security

For security reasons, in the normal use of an operational Physical Access Control System we strongly advise pairing the reader with the Access Control Unit. Pairing should be performed with a per reader unique Secure Channel Base Key (SCBK). We do not recommend the use of an unsecured channel or the use of the Default Secure Channel Base Key (SCBK_D).

This is also the case in relation to firmware update and reader configuration. Although the firmware update and reader configuration files are AES256 encrypted, a party eavesdropping on the communication line, could obtain a copy of the files that may contain sensitive information related to the system and install it on another reader.

Implementation

OSDP firmware update and reader configuration for the INID XS readers is implemented according to the OSDP File Transfer mechanism as documented in SIA OSDP version 2.2.2.

More information:

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