CYPRESS
INTEGRATION SOLUTIONS

OSDP™ Solutions

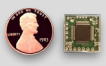
Upgrade to the SIA OSDP standard, for the security, interoperability, and functionality needed in today's access control systems.

OSDP-Fiber Optic Translator (multi-mode or single-mode fiber)

Connect OSDP devices using multi-mode or single-mode fiber. Along with the benefits of OSDP, gain lightning supression and resistance to corrosion. Especially recommended for sites with dormant fiber in place.

OSDP-Ethernet Bridge

Use the OSDP-Ethernet Bridge to connect IT and access control by bridging OSDP and the internet.



Embedded OSDP Converter

Manufacturers can upgrade readers to SIA's OSDP standard using the Embedded OSDP Converter, a chip smaller than a penny.

OSDP-Wiegand Converter

Install the OSM-1000 Converter near a legacy Wiegand reader or panel to bridge OSDP and Wiegand devices.

OSDP-Legacy Control Panel Interface

Connect a legacy access controller to an OSDP reader or peripheral device with this dedicated OSDP-to-legacy Wiegand panel converter.

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MADE IN USA

RoHS

Benefits of SIA's Open Supervised Device Protocol (OSDP) standard

Security: OSDP Secure Channel halts Wiegand hacking with AES-128 encryption.

Interoperability: Mix and match devices to help future-proof systems.

Functionality: 2-way communication, access control that withstands the elements, multi-drop installations, 2 wires instead of 10+.

Communication: With OSDP's 2-way communication, the panel can query readers to find out capabilities, without physically reconfiguring devices. The panel is alerted if the reader does not answer its query.

Savings: OSDP is scalable. It supports many more devices – and many more types of devices (such as readers, strike sensors and alarms) – than the Wiegand protocol.

Cypress OSDP products conform to OSDP v2.2.0 and IEC Committee Draft Version 60839-11-5.

Learn more at OSDP-Connect.com or CypressIntegration.com/OSDP.

What is OSDP?

The Open Supervised Device Protocol (OSDP™) is an access control communications standard developed by the Security Industry Association (SIA) to improve interoperability among access control and security products. OSDP v2.1.7 is currently in-process to become a standard recognized by the American National Standards Institute (ANSI), and OSDP is in constant refinement to retain its industry-leading position.

Why specify or adopt OSDP?

Already in wide use by many leading manufacturers like Cypress, HID Global, Mercury and others, the Security Industry Association encourages broad adoption of this standard and recommends specifying OSDP for any access control installations that require real security and/or will be used in government and other higher security settings. It is particularly valuable for government applications because OSDP meets federal access control requirements like PKI for FICAM.

Source: Security Industry Association
From https://www.securityindustry.org/industry-standards/open-supervised-device-protocol

OSDP prevents Wiegand hacking

To see how easy it is to hack an access control system, Google any of the following phrases:

- Wiegand reader hack
- Wiegand reader security flaw
- Wiegand reader vulnerability

Hackers can slip a skimmer into many readers - even some readers with advanced technology - and within seconds harvest credential information to sell or access a facility and deny access to authorized personnel. Hacking a physical access control system can compromise lives, safety and assets.

To protect access control systems from hacking, OSDP with Secure Channel uses AES-128 encryption, so data is not exposed to hackers.