

OSDP Splitters

Share a reader with 2 controllers

CYPRESS
INTEGRATION SOLUTIONS

ODM-2000

- **How to Use**

- Connect an OSDP reader to 2 OSDP access control systems

- **Applications:**

- Use in multi-tenant commercial spaces to share one OSDP reader with tenant and base building systems
- Share OSDP reader data with multiple systems (alarm, access control, key cabinets, elevator, time & attendance)

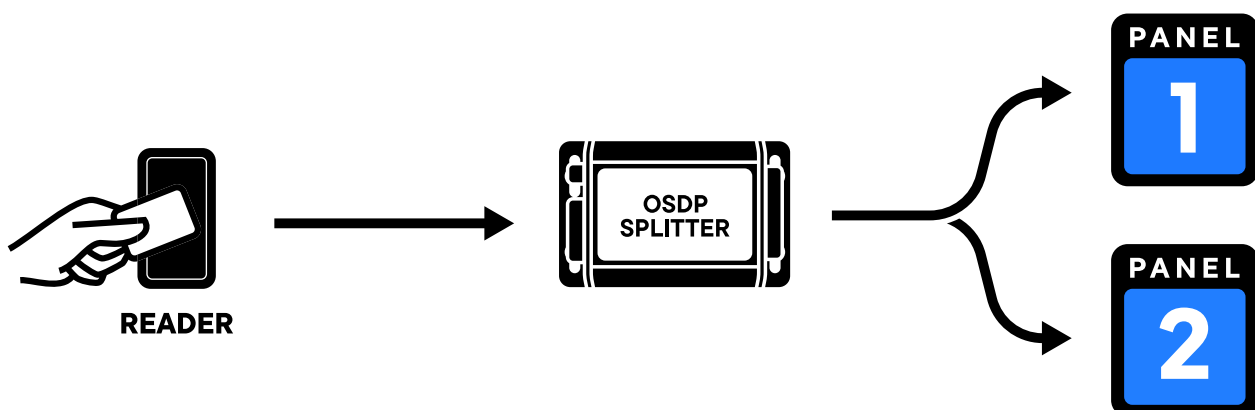
- **Supports OSDP V2** with Secure Channel Encryption

- **Status LEDs** display OSDP communication status of reader and access control systems

- **Standard and intelligent** splitters are available for systems with OSDP controllers or OSDP / Wiegand controllers (see reverse side)



**U.S. TECH
SUPPORT**



OSDP Splitter Models

Part Number	Standard	Intelligent	2 OSDP Controllers	OSDP / Wiegand Controllers
ODM-2010	⦿		⦿	
ODM-2015	⦿			⦿
ODM-2020		⦿	⦿	
ODM-2030		⦿		⦿

Standard Splitters: Credential data is sent to both access control systems.

Intelligent Splitters: Credential data is sent to one access control system, based on custom credential configuration. Credentials are defined by card format and facility code list, multiple card formats can be specified. Custom engineering required; contact Cypress.

TECHNICAL DETAILS

- **Port 1 (primary):** The access control system connected to Port 1 has control over the OSDP reader. Port 1 has full access to all of the splitter's features, and can send I/O commands. The OSDP ID, baud rate, and encryption key mirror how the system configures Port 1.
- **Port 2 (secondary):** The access control system connected to Port 2 will only receive credential data from the splitter. The splitter responds to any I/O commands with a NAK reply.
- **OSDP/Wiegand Splitters:** The ODM-2015 and ODM-2030 support one OSDP system and one Wiegand system.
- **Automatic reader discovery:** Discovers OSDP reader using broadcast address; configures to use address 0 and 9600 baud rate.
- **OSDP Secure Channel key configuration:** Port 1 and Port 2 keys are configured separately by the 2 OSDP controllers.
- **Reader key configuration:** When the OSDP controller connected to Port 1 sets a key, the ODM configures the OSDP reader using that same key.