

## New Product Announcement: eDCM 350 OSDP

CEM Systems is pleased to announce the release of the new eDCM 350 two door controller with full **OSDP (Open Supervised Device Protocol) v2** support.

This protocol for peripheral devices with Secure Channel Protocol (SCP) specification provides bi-directional communication and security features for connecting card readers to control panels and supports data encryption between these two components.

### Standard Features

#### Encrypted Communication

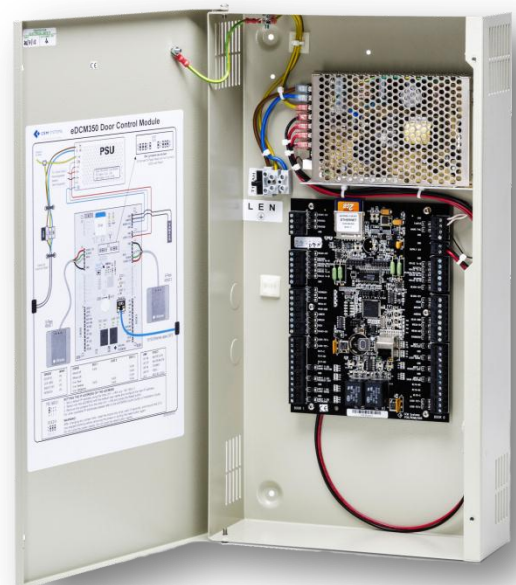
By utilizing encrypted RS485 serial communications with strong AES128 encryption between the eDCM 350 controller and the OSDP compatible reader, the threat of Wiegand controller signal cloning is eliminated.

#### Offline Card Verification

The eDCM 350 gives full off-line verification and decision making at the door, even when host communication is not available. While operating in off-line mode, the controller can hold 200,000 cardholder records and store 8,000 transactions.

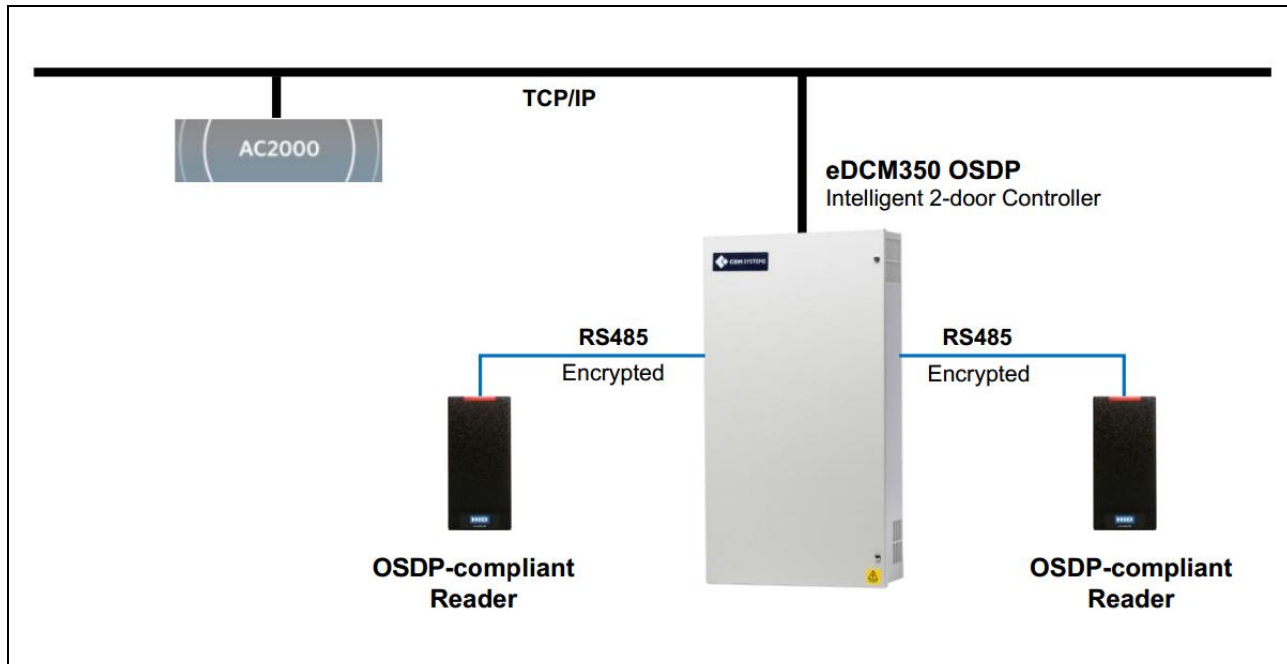
#### Easy to Install

The eDCM350 is designed to be extremely easy to install, with full configuration and 50,000 cardholder database download in under two minutes.



### New Features at a Glance

- **New eDCM 350 is now fully compliant with OSDP Protocol Specification v2.1.5 and Global Platform Secure Channel Protocol 03 (SCP03) Specification v2.2**
- **Communication protocol for serial interface RS485 with strong AES128 encryption that eliminates the threat of Wiegand signal cloning**
- **Currently supports a range of OSDP v2 compliant readers: HID RP10, RP30, RP40, RPK40 with more readers to be tested in future**



eDCM350 two door Controller with encrypted connection to example OSDP compliant readers

## Frequently Asked Questions

### ***What is the difference between standard eDCM 350 and eDCM 350 OSDP?***

The standard eDCM 350 intelligent two door controller works in conjunction with CEM sPass DESFire reader, while the eDCM 350 OSDP controller supports Open Protocol and can work with any OSDP compliant reader via AES128 bit encrypted interface (subject to configuration requirements and CEM testing).

### ***Which 3<sup>rd</sup> party OSDP readers are supported with eDCM 350 OSDP?***

Currently CEM have tested and certified the following readers:

- HID iCLASS SE RP10, iCLASS SE RPK40 (keypad), iCLASS SE RP30, iCLASS SE RP40

### ***What are the cable distances between eDCM 350 OSDP and OSDP compliant readers?***

CEM recommends that the Belden 8723 cable distance between reader and controller should not exceed 100m (330ft).

Product Code	Description
DCM/350/035	eDCM 350 OSDP Controller (Board Only)
DCM/350/131	eDCM 350 OSDP Controller (Mounted in Enclosure with 12V PSU)

For more information email [cem.info@tycoint.com](mailto:cem.info@tycoint.com) or contact your account manager.