

Wiegand to OSDP migration checklist

One door at a time. Record the reader you are removing before you remove it — that record is the rollback plan.

Companion sheet to <https://www.falco-ecom.com/wiegand-to-osdp>

1. Door list

DOOR	READER MODEL	CURRENT FORMAT AND MODE	CONTROLLER	OSDP ON THAT CONTROLLER	OSDP READER TO FIT

2. Which Falco controllers carry OSDP

CONTROLLER	READER INTERFACE	OSDP
S32 IP Controller	Wiegand 26/34 format standard	OSDP v2, optional
CF PoE Controller	Wiegand 26/34 format standard	OSDP v2, optional
ZG IP Controller	Wiegand 26/34 format only	Not supported

OSDP v2 is an option on the S32 and CF PoE lines, so confirm it on the units in scope. A ZG site needs a controller change before any reader moves to OSDP.

3. Pre-cutover steps

1. Inventory every reader: model, read format, and the controller bit mode currently set.
2. Confirm the controller line and the OSDP option fitted to each unit in scope.
3. Check the cable: Wiegand uses four conductors (12V, 0V, D0, D1). OSDP needs its serial pair plus power. Use screened cable and keep the run clear of mains cable.
4. Leave lock, door contact, exit button and break glass wiring untouched — they land on the controller, not the reader.
5. Convert one door, present a test credential, and confirm the read in the controller event log before starting the next reader.
6. Record the bit mode and wiring of every reader removed.

4. Per-door commissioning record

DOOR	READER READS	EVENT LOG NUMBER MATCHES CARD	LED CORRECT	DATE	INSTALLER

The check that matters is the event log number: a card that reads as a different number is a mode mismatch, not a good installation.

Grounded in Falco controller datasheets, VAULT Site support documentation and the Falco controller wiring diagrams. Model lists, pricing and project scoping:
<https://www.falco-ecom.com/contact-us>