

Seos multi-discipline READER

- **Cost effective:** enterprise features without the associated cost.
- **Footprint:** mullion footprint, ideal for new or retrofit sites.
- **Credentials:** Support for low and high frequency credentials. Compatible with HID iCLASS and Seos secure technologies

Security and **convenience** in one package

WHO SHOULD USE THE SEOS MULTI-DISCIPLINE READER RANGE?

Ideal for organisations wanting enhanced security, coupled with the convenience of secure credentials.

PRODUCT BENEFITS:

- Supports HID Seos, iClass, among others.
- Option of either Wiegand or OSDP protocols
- Communication distance of up to 1,000m(OSDP)
- Compatible with third party systems
- Suitable for indoor and outdoor applications

The Seos multi-discipline reader (MDR-SE) range offers a wealth of technology in a small mullion footprint.

A unique feature of the reader is the ability to read both 125kHz and 13.56MHz credentials, along with HID Global's high security Seos credentials.

The reader is available in two variants, being OSDP (the global IEC open standard) or the older Wiegand protocol.

The OSDP version provides cost and installation efficiencies due to the use of two-wire cabling, as well as the ability to run cables up to 1,000m from the controller. The Wiegand variant can operate up to a 150m wiring distance.

Another benefit of the OSDP variant is bidirectional communication, which allows for infield configuration through Access Portal software, as well as constant monitoring of the reader state.



Both variants are suitable for outdoor use with an IP54 rating, and the connection is via a terminal block, for simplified installation.

The readers provide peace of mind security through an AES128-bit encryption between the reader and controller/module. This is made possible via the open OSDP protocol, or Impro's proprietary Wiegand standard.

The MDR-SE range comes standard with a tri-coloured LED and buzzer, which can be controlled to suit the specific needs of your application.

Readers are compatible with Access Portal software, from version 4.4 upwards.

Specifications

SEOS MULTI-DISCIPLINE READER

Model name	MDR-SE Wiegand	MDR-SE OSDP
Part number(s)	HRW910	HRW911
Product description	Secure Multi-discipline reader	
Colour	Silver and black	
Dimensions (d-w-h)	9.7cm x 4.5cm x 2.1cm [3.8" x 1.8" x 0.8"]	
Approximate product weight	61.5g [2.2 oz]	
Material	Metallized silver and black ABS plastic	
Electrical specifications		
Input voltage	8 - 14 VDC, polarity sensitive	
Power requirements at 12VDC	200 mA current, 2.4 W power	
Power input protection	Reverse polarity and over-current protection	
Connection type	Terminal block	
Connection medium	Standard Wiegand, Impro proprietary	OSDP
User interfaces		
Buzzer	Single tone	
LED	Tri-coloured status LED	
Tamper	Optical tamper protection	
Credential compatibility	PACS read capability on NFC, HID Seos and HID iClass H10301, H10302 and H10304 CSN read capability on MIFARE and DESFire 125kHz	
Keypad	None	
Environmental specifications		
Operating temperature	-25° to +60° C [-13° to +140° F]	
Storage temperature	-40° to +80° C [-40° to +176° F]	
Operating humidity	0 to 95% relative humidity non-condensing (at +40° C / +104° F)	
Environmental rating	IP54	
RFID specifications		
Type	RFID	
Frequency	125kHz & 13.56MHz	
Range (RFID)	15 to 50mm / 0,6" to 2"	
Range (BLE)	10m / 10.9 yd	
Certifications		
CE(EU)	Pending	
UL	On request	
SABS (RSA)	Pending	
RoHS	Pending	



Impro Technologies
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the access control industry

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