

# 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		
<b>Electrical specifications</b>			
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
<b>User interfaces</b>			
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		
<b>Environmental specifications</b>			
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		
<b>RFID specifications</b>			
Type	RFID		
Frequency	125kHz & 13.56MHz		
Range (RFID)	15 to 50mm / 0,6" to 2"		
Range (BLE)	10m / 10.9 yd		
<b>Certifications</b>			
CE(EU)	Pending		
UL	On request		
SABS (RSA)	Pending		
RoHS	Pending		



**Impro Technologies**  
 over 30 years' experience in  
 the access control industry