



CONTACTLESS SMART CARD READER

Mobile-Ready Multi-Technology Reader

Standard Features

- Sleek, innovative design to suit modern architecture
- Mobile-ready by default, including Apple's Enhanced Contactless Polling (ECP) to support credentials in Apple Wallet
- Updated cryptographic keys for unparalleled security
- Adaptable hardware platform to meet future technology needs
- Personalized audio and visual settings

Color	Black bezel with Silver trim baseplate (2)
2.4 GHz (Bluetooth Credential Compatibility)	Mobile Credentials powered by Seos® (HID Mobile Access)
13.56 MHz (NFC) Credential Compatibility	Seos, iCLASS SE®, iCLASS SR®, iCLASS®, MIFARE Classic, MIFARE DESFire EV1/EV2, Mobile Credentials powered by Seos (HID Mobile Access)
125 KHz Credential Compatibility	HID Proximity®, Indala® Proximity, AWID Proximity, and EM Proximity
Typical Read Range (1)	Seos®, MIFARE Classic, MIFARE DESFire EV1/EV2 & ISO14443A Single Technology Cards – 1.6 to 4 in (4 to 10 cm) HID / AWID Proximity®, Indala Proximity®, EM Proximity & 125 kHz Single Technology Cards – 2.4 to 4 in (6 to 10 cm)
Voltage	12 VDC
Current Draw (3)	NSC4: 65 mA Peak: 250 mA Max. Avg: 75 mA IPM5: 45 mA
Dimensions	3.15 in x 4.78 in x 0.77 in (80 mm x 121.5 mm x 19.5 mm)
Weight	Pigtail: 4.94 oz (140 g) Terminal: 4.23 oz (120 g)
Device Input & Output	Input: Tri-color LED, Buzzer, Hold @ Active Low Output: Tamper Relay 0-60V DC @ 100mA Max (Dry Contact)
Operating Temperature & Humidity	-31° F to +150° F (-35° C to +66° C) 0% to 95% non-condensing
Storage Temperature	-40° F to +185° F (-40° C to +85° C)
Cable Distance	500ft (150m) (22AWG) Use shielded cable for best results
Environmental Rating	UL294 Outdoor and Indoor rated, IP65
Housing Material	Polycarbonate – UL94 V0
Transmit Frequency	125 kHz, 13.56 MHz, and 2.4 GHz
Communications & Panel Connections	Wiegand and RS-485 Half Duplex (OSDP) via Pigtail (18 in / 0.5 m) or Terminal Strip

1 Read range listed is statistical mean rounded to nearest centimeter increment for ID-1 or clamshell credentials. HID Global testing occurs in open air. Form factor, technology and environmental conditions, including metallic mounting surface, can degrade read range performance; plastic spacers are recommended to improve performance on metallic mounting surfaces.

2 Black trim baseplate & reader spacers available as an additional accessory at an additional cost

3 Measured in accordance with UL294 standards.



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