

20KNKS-01-000000

Signo 20K, Mullion w/Keypad, Seos Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE

HID® Signo™ Readers

HID® Signo™ is the signature line of physical access control readers from HID Global. The versatility, performance and connected capabilities of HID Signo readers offers a highly adaptable, interoperable and secure approach to electronic access control. HID Signo affords security system installers and administrators a simple and effective approach to secure access control for almost any scenario.

With support for a wide array of credential technologies — past, present and future — HID Signo is a good choice for those looking to make the transition to another technology. HID Signo readers are designed to be connected and managed via HID Reader Manager® remotely by Bluetooth. For some settings the reader will need to be re-powered. This allows for access control systems to dynamically respond as new needs, configurations or threats arise.

The signature line of readers from HID Global

Highly Versatile - Support for a wide range of credential technologies, including HID Mobile Access® via native Bluetooth and Near Field Communication (NFC).

Optimized Performance - Ultra secure storage of cryptographic keys on certified secure element hardware, plus a new surface detection feature that enables the reader to automatically recalibrate and optimize read range performance.

Connected to the Future - All readers include out-of-the-box support for Open Supervised Device Protocol (OSDP) for secure bidirectional communication.

Hands free management - No need to interact with the device. Go mobile with native Bluetooth and NFC support.

Migration - Integrated 125 kHz credential read support for easy migration. Supports a variety of common credential technologies. Deactivate legacy credential technology will conclude secure migration.

Mounting - Flush mount terminal block and pigtail wiring options. Robust outdoor performance with an IP65 rating.

Configuration - No configuration cards are available, configuration settings are managed via a mobile device using Reader Manager.



Details

- Multi-Layered security to ensure data authenticity and privacy
- EAL 6+ Certified Secure Element Hardware
- Native OSDP secure channel capability
- Trusted secure authentication using the SIO data model
- Supports iCLASS Elite™ and Corporate 1000 Programs
- Go mobile with native Bluetooth and NFC support
- Integrated 125 kHz credential read support for easy migration
- Supports over 15 common credential technologies
- Flush mount terminal block and pigtail wiring options
- Robust outdoor performance with an IP65 rating
- Easily and securely managed using HID Reader Manager®
- Configure via a mobile device or OSDP
- Update firmware in response to threats
- Personalize by configuring audio visual or keypad settings
- Deactivate legacy credential technology to conclude secure migration
- Mobile-ready by default, including Apple's Enhanced Contactless Polling (ECP) to support credentials in Apple Wallet
- Designed to seamlessly integrate into the HID Origo® ecosystem

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Technical specifications

System

Reading distance	Seos® Single Technology Cards - 4 to 10 cm
No. of LEDs	Tri-color LED
No. of covers included	1
Language installation manual	English

Technology

Reader type	Single frequency
Reader operating-transmitting frequency	13.56 MHz, 2.4 GHz
Supported technology 13.56 MHz	Corporate 1000, iCLASS ELITE, SEOS, SEOS (Mobile IDs via NFC/BLE), SEOS profile
Supported technology 2.4 GHz	Bluetooth, Mobile ready, SEOS profile

Interface & connections

Interface	OSDP V1, OSDP V2, OSDP V2 Secure Channel, Wiegand
Connector type	Pigtail
Pigtail length	0.5 m
Device input	Tri-color LED, Buzzer, Hold @ Active Low
Device output	Tamper Relay 0 to 60 VDC @ 100 mA Max. (Dry Contact)

Tamper type

Pry-off tamper	No
Opening tamper	Yes

Operation

PIN keypad	Yes
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Electrical

Operating voltage	12 VDC
Current consumption	75 mA (max. average)
Power consumption	250 mA (peak)
Current draw : NSC (=Normal Standby Current)	65 mA See Installation Guide for details
Current draw : IPM (=Intelligent Power Management)	48 mA Reduces reader current consumption up to 43%, based on model, compared to standard operating mode.

Physical

Physical dimensions	45 x 121.5 x 21.5 mm
Net weight	110 gr
Colour	Black with silver backplate
Material	Polycarbonate - UL94V-0
Form factor	Mullion
Mounting type	Surface mount, Wall mount

Environmental

Vandal proof	No
Environment	Indoor, Outdoor
Operating temperature	-35 to +66°C
Relative humidity	0 to 95% noncondensing
IP rating	IP65 and IK07

Regulatory

Security rating	EAL6+
Compliance	Bluetooth SIG, CE, cUL, FCC, GreenCircle, IC, iDA, KCC, MIC, NCC, RCM, RoHS 2, SRRC, UL 294
Patents	www.hidglobal.com/patents
Warranty	Limited Lifetime