20NKS-00-000000

Signo 20, Mullion, 13.56 MHz &125 kHz, 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®, MIFARE Classic, MIFARE DESFire EV1/EV2 & ISO14443A Single Technology Cards - 4 to 10 cm HID / AWID Proximity®, Indala Proximity®, EM Proximity & 125 kHz Single Technology Cards - 6 to 10 cm
No. of LEDs	Tri-color LED
No. of covers included	1
Language installation manual	English

Technology

Reader type	Multi-frequency
Reader operating-transmitting frequency	125 KHz, 13.56 MHz, 2.4 GHz
Supported technology 13.56 MHz	Corporate 1000, iCLASS ELITE, iCLASS SE, iCLASS SR, MIFARE Classic (CSN), Mifare Classic (SIO), MIFARE DESFire EV1 (CSN), Mifare DESFire EV1 (SIO), Mifare DESFire EV2 (CSN), Mifare DESFire EV2 (SIO), SEOS, SEOS (Mobile IDs via NFC/BLE), SEOS profile, Smart profile, Standard profile
Supported technology 125 kHz	AWID Prox, EM4102, HID Prox, Indala Prox, Standard profile
Supported technology 2.4 GHz	Bluetooth, Mobile ready, SEOS profile, Smart profile, Standard profile
Mifare type	ISO14443A

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	No

Support

Language installation manual	English

Electrical

Operating voltage	12 VDC
Current consumption	70 mA (max. average)
Power consumption	250 mA (peak)
Current draw : NSC (=Normal Standby Current)	60 mA See Installation Guide for details
Current draw : IPM (=Intelligent Power Management)	45 mA Reduces reader current consumption up to 43%, based on model, compared to standard operating mode.

Physical

Physical dimensions	45 x 121.5 x 19.5 mm
Net weight	95 g
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+
Compliancy	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

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