# 20TKS-01-000000

**Signo 20, Mullion, Seos Profile, OSDP/Wiegand, Terminal, 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, Móvil listo para usar, SEOS profile |

### Interface & connections

| | |
|---|---|
| Interface | OSDP V1, OSDP V2, OSDP V2 Secure Channel, Wiegand |
| Connector type | Terminal strip |
| 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<br>See Installation Guide for details |
| Current draw : IPM (=Intelligent Power Management) | 45 mA<br>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 | Negro con placa trasera plateada |
| Material | Policarbonato - UL94V-0 |
| Form factor | Mullion |
| Mounting type | Montaje en Superficie, Vægmontering |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Environment | Indendør, Udendørs |
| 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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