# 40TKS-00-000000

**Signo 40, Wall mount, 13.56 MHz & 125 kHz, 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®, MIFARE Classic, MIFARE DESFire EV1/EV2 & ISO14443A Single Technology Cards - 4 to 10 cm<br>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 | 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 | 75 mA (max. average) |
| Power consumption | 250 mA (peak) |
| Current draw : NSC (=Normal Standby Current) | 65 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 | 80 x 121.5 x 19.5 mm |
| Net weight | 140 g |
| Colour | Black with silver backplate |
| Material | Polycarbonate - UL94V-0 |
| Form factor | US gangbox |
| 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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