

HELLO
SIGNO

"This cutting-edge reader was designed with versatility in mind, satisfying the increasing demand for customization."

Access Control, Redesigned

Security meets modernity with HID Signo, the signature line of access control readers from HID Global. Featuring a sleek, upscale design, HID Signo Readers extend HID's tradition of best in class performance while adding innovative features to keep organizations secure.

To help organizations meet the security needs of our dynamic world, HID Signo Readers are designed to be highly versatile, powerful, and connected for the future.

- **Highly Versatile**
Support for the widest range of credential technologies, including HID Mobile Access via native Bluetooth and Near Field Communication (NFC) capability. Plus Apple's Enhanced Contactless Polling (ECP) to support credentials in the Apple Wallet.
- **Unparalleled Performance**
Ultra secure storage of cryptographic keys on certified secure element hardware, plus a new surface detection feature that allows 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. Each reader is also designed to be connected and managed remotely without "sneakernet" or needing to be physically touched.

Moreover, HID Signo Readers are simple to order and install, making the upgrade process easy for everyone.



Signo = Security

No matter how complex your access control needs, security comes first.

HID Signo Readers offer unparalleled security by providing a simple and effective approach to secure access control for almost any scenario. This is achieved via a multi-layered security model that ensures data authenticity and privacy.

Additional security features include:

- Secure storage of cryptographic keys on certified (EAL6+) secure element hardware
- Out-of-the-box support for OSDP Secure Channel Protocol for encrypted bidirectional communication between the reader and door controller
- Trusted, secure authentication using the HID Secure Identity Object™ (SIO), a data model for storing and transporting identity information in a single object
- Support for HID's iCLASS Elite and Corporate 1000 programs offering security professionals a custom authentication key for enhanced security

The Most Versatile Readers Available

“HID Signo Readers include velocity checking, a patented feature to protect against brute force rapid electronic attacks.”

Native Support for the Widest Range of Credential Technologies

When it comes to access control, choice matters. No access control reader available on the market today compares to HID Signo in the breadth of support for high-frequency technologies. In fact, HID Signo Readers are flexible by design, capable of interoperability with over 15 credential technologies, including Seos, HID Mobile Access, MIFARE DESFire EV1/EV2, iCLASS, and many more.

This unparalleled credential support also extends beyond just today's technologies, a single HID Signo Reader is also capable of supporting all of the following legacy credential technologies:

- HID Proximity®
- Indala Proximity®
- AWID Proximity
- 125 kHz ID-1 single

Not only does this capability provide choice, it simplifies migration to modern credential technologies.

Each HID Signo Reader also includes Apple's Enhanced Contactless Polling (ECP) to support credentials in Apple Wallet.



“HID Signo Readers are easy to install thanks to a new terminal block wiring design.”

Easy to Install, Easier to Manage

In the security business, time is money.

HID Signo Readers are easy to install thanks to new terminal block wiring design that enables flush mounting, re-quiring no additional spacer. These readers also tout an IP65 outdoor rating with no additional gasket needed.

Once installed, HID Signo Readers are easy to upgrade and manage with BLE and OSDP capability onboard. They are fully compatible with HID Reader Manager to conveniently configure and upgrade firmware in the field. Even more, configuration can be streamlined through the controller via OSDP.



“Once a HID Signo Reader is installed and configured, users can count on technology that simply works as intended.”

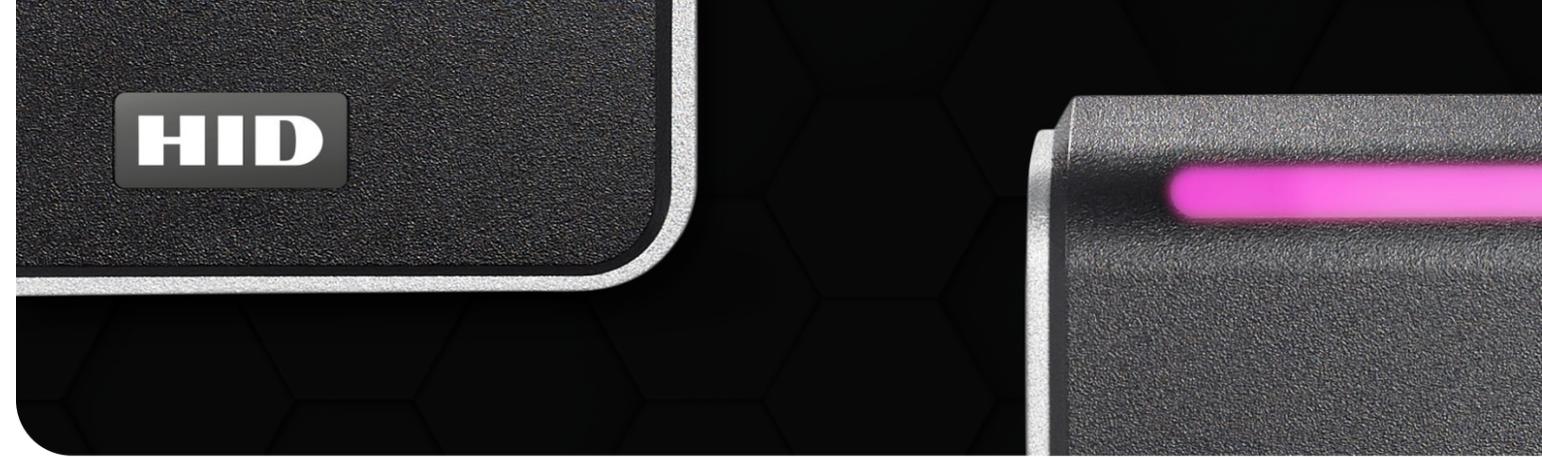
Smarter, More Connected Access Control

Upgrading to HID Signo enables building owners to future proof their security systems like never before, ensuring they are equipped with truly dynamic tools to counter new threats or implement enhancements needed for tomorrow.

HID Signo Readers are designed to transcend the traditional approach of securing doors by being connected and managed in a modern, distributed ecosystem. This functionality empowers access control systems to dynamically respond as new needs, configurations, or threats arise.

These best-in-class readers ensure organizations a future-proof experience by:

- **Providing native mobile access capability**
—introduce mobile access whenever you are ready
- **Ensuring easy migration from Wiegand to OSDP**
—enable secure encrypted communication between the reader and door controller
- **Supporting legacy and future credential technologies**
—upgrade existing credentials to secure technology at your own pace



Performance You Can Count On

HID Signo Readers extend HID’s tradition of trusted, powerful access control performance.

These readers are reliable across a vast array of use cases and include enhancements that create efficiencies for organizations of any size.

- New surface detection feature allows the reader to sense when it is mounted on metal and automatically recalibrate to optimize read range performance.
- The introduction of a capacitive touch keypad allows for extremely reliable performance in rugged conditions, ideal for outdoor mounts in harsh environments.
- iBeacon support allows for the mobile devices to be “woken up” before being presented to the reader, dramatically improving first read of the day performance and read range consistency.
- Intelligent Power Mode Energy Saving feature provides a greener experience by reducing energy consumption when the reader is at rest.

“HID Signo Readers are built to be integrated into HID Origo, a powerful cloud platform that provides the foundation for all cloud-based solutions offered by HID Global.”

Tomorrow’s Technology is Here

HID Signo Readers bring today’s organizations into the future of access control.

Beyond its sleek, modern design, this cutting-edge reader platform provides flexible, reliable performance with support for the widest range of credential technologies. HID Signo extends HID Global’s leadership in the access control industry while providing unrivaled security and powerful performance with the addition of new features to better fortify facilities and beyond.

Upgrading your access control readers to HID Signo ensures convenience and security today while preparing you for whatever comes tomorrow—this is the signature promise of Signo.

To learn more, visit hidglobal.com/signo



HID® Signo™ Readers
Models: 20, 40, 20K, 40K

READY FOR THE FUTURE NOW

- Mobile-ready by default, including Apple's Enhanced Contactless Polling (ECP) to support credentials in Apple Wallet
- Sleek, innovative design to suit modern architecture
- Integrated OSDP for secure authentication and configuration post installation
- Built on a hardware platform designed to be adaptable to support future technology
- Designed to seamlessly integrate into the HID Origo® ecosystem

THE SIGNATURE LINE OF READERS FROM HID GLOBAL

- **Highly Versatile** — Support for the widest range of credential technologies, including HID Mobile Access® via native Bluetooth and Near Field Communication (NFC).
- **Unparalleled 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.

HID Signo™ is the signature line of physical access control readers from HID Global. The versatility, performance and connected capabilities of HID Signo readers set a new industry benchmark for the most highly adaptable, interoperable and secure approach to electronic access control.

Offering an unparalleled breadth of functionality, HID Signo affords security system installers and administrators a simple and effective approach to secure access control for almost any scenario.

With support for the widest array of credential technologies — past, present and future — HID Signo is the perfect choice for those looking to make the transition to a secure authentication technology.

HID Signo readers transcend the traditional approach to security by being designed to be connected and managed remotely without needing to physically touch each device. This functionality empowers access control systems to dynamically respond as new needs, configurations or threats arise.

POWERFULLY SECURE

- Multi-Layered security to ensure data authenticity and privacy
- EAL6+ Certified Secure Element Hardware
- Native OSDP secure channel capability
- Trusted secure authentication using the SIO data model
- Supports iCLASS Elite™ and Corporate 1000 Programs

MEET EVERY NEED, ADAPT TO ANY SITUATION

- 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

MANAGE, UPGRADE AND CONFIGURE

- 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

SPECIFICATIONS

HID Signo Reader Model	20	20K	40	40K
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 Range¹	Seos®, MIFARE Classic, MIFARE DESFire EV1/EV2 & ISO14443A Single Technology Cards - 4 to 10 cm (1.6 to 4 in) HID / AWID Proximity®, Indala Proximity®, EM Proximity & 125 kHz Single Technology Cards - 6 to 10 cm (2.4 to 4 in)			
Mounting	Suited for mullion-mount door installations or any flat surface mounting		Suited to mount and cover single gang switch boxes with a slotted mounting plate for alternate back-box spacing	
Color	Black bezel with silver trim baseplate ²			
Keypad	No	Yes (2 x 6 layout)	No	Yes (3 x 4 layout)
Dimensions (width x length x depth)	45 mm x 121.5 mm x 19.5 mm (1.77 in x 4.78 in x 0.77 in)	45 mm x 121.5 mm x 21.5 mm (1.78 in x 4.79 in x 0.85 in)	80 mm x 121.5 mm x 19.5 mm (3.15 in x 4.78 in x 0.77 in)	80 mm x 121.5 mm x 21.5 mm (3.16 in x 4.79 in x 0.85 in)
Product Weight	Pigtail: 95 g (3.35 oz) Terminal: 75 g (2.65 oz)	Pigtail: 110 g (3.88 oz) Terminal: 90 g (3.17 oz)	Pigtail: 140 g (4.94 oz) Terminal: 120 g (4.23 oz)	Pigtail: 160 g (5.64 oz) Terminal: 140 g (4.94 oz)
Operating Voltage	12V DC			
Current Draw³	NSC ⁴ : 60 mA Peak: 250 mA Max. Avg: 70 mA IPM ⁵ : 45 mA	NSC ⁴ : 65 mA Peak: 250 mA Max. Avg: 75 mA IPM ⁵ : 48 mA	NSC ⁴ : 65 mA Peak: 250 mA Max. Avg: 75 mA IPM ⁵ : 45 mA	NSC ⁴ : 70 mA Peak: 250 mA Max. Avg: 80 mA IPM ⁵ : 55 mA
Device Input and Output	Input: Tri-color LED, Buzzer, Hold @ Active Low Output: Tamper Relay 0-60V DC @ 100mA Max (Dry Contact)			
Operating Temperature & Humidity	-35° C to +66° C (-31° F to +150° F) 0% to 95% non-condensing			
Storage Temperature	-40° C to +85° C (-40° F to +185° F)			
Environmental Rating	UL294 Outdoor and Indoor rated, IP65			
Transmit Frequency	125 kHz, 13.56 MHz, and 2.4 GHz			
Communications & Panel Connection	Wiegand and RS-485 Half Duplex (OSDP) via Pigtail (18 in / 0.5 m) or Terminal Strip			
Device Management	HID Reader Manager / OSDP configuration			
Certifications	UL294/cUL (US), FCC (US), IC (Canada), CE (EU), RCM (Australia, New Zealand), SRRC (China), KCC (Korea), NCC (Taiwan), iDA (Singapore), RoHS, MIC (Japan), GreenCircle, Bluetooth SIG, and additional regions. www.hidglobal.com/certifications			
Security Ratings	EAL 6+ Certified Secure Element Hardware			
Patents	www.hidglobal.com/patents			
Housing Materials	Polycarbonate - UL94 V0			
UL Reference Number	20	20K	40	40K
Warranty	Limited Lifetime			

- 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; see Installation Guide for details.
- 4 NSC - Normal Standby Current; see Installation Guide for details.
- 5 Intelligent Power Management (IPM) - Reduces reader current consumption up to 43%, based on model, compared to standard operating mode.

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