HID Mobile Access®

Simple. Secure. Smart.

HPI
SECURITY
since 1979

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HID

An authorized dealer

Physical Access for a Modern Mobile World

Physical Access the Smart Way – With Mobile

Mobile connectivity has changed the way we live, work and play. From smartphones to wearables and tablets, mobile devices are ever present in today's office environment, always on, and serve a variety of purposes. Mobile is today's go-to technology offering convenience and portability, and is a logical step in the evolution of access control.

Meet the Need for Mobility and Desire for Convenience

HID Global is leading innovation with its award-winning HID Mobile Access® solution that enables organizations to answer end-user demand for convenience and facility and IT demands for security. Extending access control functionality to mobile devices allows end-users to securely and conveniently access the workplace using their smart device, from the parking gate to the door, to the network and more.

HID Mobile Access supports the widest variety of mobile devices in the industry today. You can define the mobile experience that is right for your organization, whether employing a pure mobile solution or integrating mobile into an existing card-based access control system.

Industries Leveraging Mobile Access

GOVERNMENT

HIGHER EDUCATION

COMMERCIAL REAL ESTATE

FINANCE

AWARD WINNING

Most Valuable Product (MVP)
Security Sales and Integration Magazine

Winner Security Industry Association (SIA) New Product Showcase
Access Control Category

Campus Safety Best
Access Control and Identity Management Category

Convenience & Choice

Access in the Palm of Your Hand

HID Mobile Access is leading the way with solutions that support the needs of today's organization in a mobile-first world. Connect your environment like never before and move toward the efficiency and cost savings gained through centralized access management.

Open doors and gates with a short-range tap or from a distance using Twist & Go activation. Then use the same device to log on to the network, open electronic locks, securely release documents from the printer, track time and attendance, get a snack from vending or access an electronic vehicle charging station.

Meet Demand for Mobile Solutions

HID Mobile Access features a consistent end-user experience across devices and operating systems, as well as intuitive mobile and reader interaction. Applications become more powerful when employees, students or visitors can use their device in tandem with apps they've already adopted. HID Global provides integration tools that allow HID Mobile Access to be built into any workplace or organizational app. The app SDK and companion API for backend integration are powerful tools supported by our Partner Services team.

NFC Short-Range Tap   **Twist & Go**

SECURE INFRASTRUCTURE

EU GDPR COMPLIANT

ISO 27001 CERTIFIED by schellman

Secure Mobile Access

Unprecedented Security and Privacy Protection of identity Data

Today, maintaining privacy of sensitive identity data is more important than ever. Powered by breakthrough Seos®, a software-based and form factor agnostic credential technology not tied to an underlying hardware chip, HID Mobile Access delivers the highest level of security and privacy protection available for access control. The award-winning technology is based on ISO standards and used by the U.S. government and organizations globally to encrypt classified or sensitive data.

Be Confident with the Highest Level of Security and Privacy

HID Global's market leadership in trusted identities ensures that the communication of identity data via mobile device is secure. HID Global stays ahead of emerging policy and law, and continuous review guarantees privacy protection. HID Mobile Access solutions only collect information required for service.

Maintaining the Standard of Protection

HID readers leverage a layered security approach—meaning the technology combines multiple security controls to protect resources and data.

Mobile Access has resulted in our employees and customers having an enriched customer experience that they are finding very convenient and innovative.

KEVIN GLASS
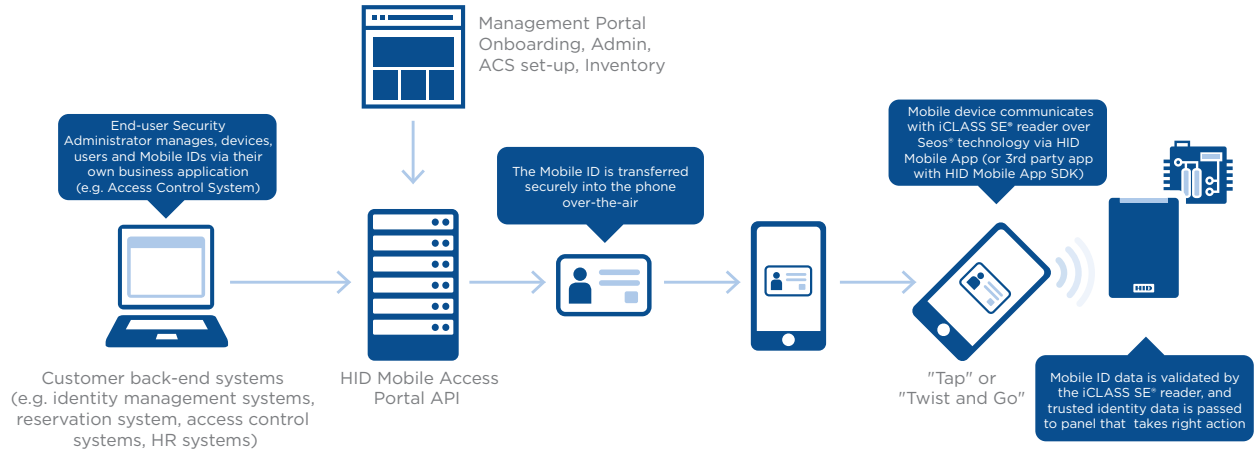*Chief Innovation Officer, Café X*

SECURE, CONNECTED ACCESS CONTROL

Doors   **Parking**   **IT**   **Computer/Laptop**

Management Portal
Onboarding, Admin,
ACS set-up, Inventory

End-user Security
Administrator manages, devices,
users and Mobile IDs via their
own business application
(e.g. Access Control System)

The Mobile ID is transferred
securely into the phone
over-the-air

Mobile device communicates
with iCLASS SE® reader over
Seos® technology via HID
Mobile App (or 3rd party app
with HID Mobile App SDK)

Customer back-end systems
(e.g. identity management systems,
reservation system, access control
systems, HR systems)

HID Mobile Access
Portal API

"Tap" or
"Twist and Go"

Mobile ID data is validated by
the iCLASS SE® reader, and
trusted identity data is passed
to panel that takes right action

EFFICIENTLY MANAGE USERS

Simple End-User Enrollment

For the student, it provides a more secure way to access buildings and provides a better experience for them overall. And for the university itself, it is a recruitment tool that we can offer to incoming students.

MARK MULLANEY
Assistant Director of Commercial Services, University of Hull

Inside HID Mobile Access

HID Mobile Access users are efficiently enrolled via an easy-to-use, online management portal. From mobile-enabled readers and secure Mobile IDs, HID Mobile Access technology is built to work seamlessly together.

Scalability and Cost-Savings

HID Mobile Access Portal features:
• user-friendly interface for administrators
• simple enrollment for end-users through the intuitive app

• unique transactions to ensure privacy
• easily managed access rights that can be governed by an administrator at any time
• highly secure

HID Mobile Access enables organizations to participate in a subscription-based billing model for flexible pricing and cost-savings. And because Mobile Access utilizes form-factor agnostic Seos®, it can be extended for use beyond physical access control.

Send   **Download**   **Enroll**   Go!

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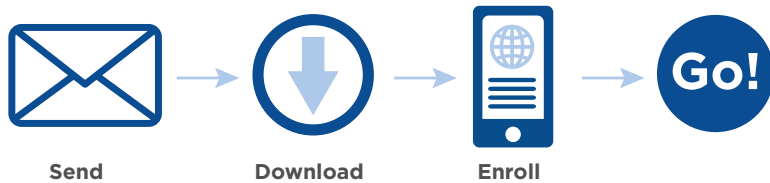
HID® Signo™ Readers
Models: 20, 40, 20K, 40K

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
- EAL5+ 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, FeliCa™ & Contactless e-Purse Application Specification (CEPAS), Mobile Credentials powered by Seos (HID Mobile Access)			
125 kHz Credential Compatibility	HID Proximity®, Indala® Proximity, AWID Proximity, and EM Proximity			
Typical Read Range[1]	Seos®, MIFARE Classic, MIFARE DESFire EV1/EV2 & ISO14443A Single Technology Cards – 1.6 to 4 in (4 to 10 cm) HID / AWID Proximity®, Indala Proximity®, EM Proximity & 125 kHz Single Technology Cards – 2.4 to 4 in (6 to 10 cm)			
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)	1.77 in x 4.78 in x 0.77 in (45 mm x 121.5 mm x 19.5 mm)	1.78 in x 4.79 in x 0.85 in (45 mm x 121.5 mm x 21.5 mm)	3.15 in x 4.78 in x 0.77 in (80 mm x 121.5 mm x 19.5 mm)	3.16 in x 4.79 in x 0.85 in (80 mm x 121.5 mm x 21.5 mm)
Product Weight	Pigtail: 3.35 oz (95 g) Terminal: 2.65 oz (75 g)	Pigtail: 3.88 oz (110 g) Terminal: 3.17 oz (90 g)	Pigtail: 4.94 oz (140 g) Terminal: 4.23 oz (120 g)	Pigtail: 5.64 oz (160 g) Terminal: 4.94 oz (140 g)
Operating Voltage	12V DC			
Current Draw[3]	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	-31° F to +150° F (-35° C to +66° C) 0% to 95% non-condensing			
Storage Temperature	-40° F to +185° F (-40° C to +85° C)			
Environmental Rating	UL294 Outdoor and Indoor rated, IP65			
Transmit Frequency	125 kHz, 13.56 MHz, and 2.4 GHz			
Communications & Panel Connection	Wiegand, Clock-and-Data 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 5+ Certified Secure Element Hardware			
Patents	www.hidglobal.com/patents			
Housing Materials	Polycarbonate – UL94 V0			
UL Reference Number	20	20K	40	40K
Warranty	Limited Lifetime			

PHYSICAL ACCESS CONTROL

HID Mobile Access®
Secure Mobile IDs for
Smart Devices

SECURE DIGITAL IDENTITIES FOR PHYSICAL ACCESS CONTROL USING MOBILE DEVICES

- **Portable** – Proven model manages the transmission of secure identity data over-the-air to mobile devices.

- **Superior Protection** – Ensure privacy, security and integrity of identity data by leveraging Secure Identity Object® (SIO®) data encoding.

- **Easy to Manage** – Seamless lifecycle management of Mobile IDs (creation, distribution, revocation) simplifies deployment and administration.

HID Mobile Access® enables mobile phones to be used across the organization just like a card or other form factor to seamlessly increase employee productivity while "on-the-go." The move to mobile and a bring your own device (BYOD) environment has IT departments increasingly concerned about securing access and protecting company data. It is essential that the protection of identity data follow stringent policies to prevent a security breach in the enterprise.

HID Global's Mobile IDs are the vehicle to protect identity data for various applications. With a primary focus on the access control market, Mobile IDs offer a privacy-preserving model to protect personal identification data from unauthorized access.

Provisioned over-the-air to the end-user device, Mobile IDs are based on industry standard technology. Seos® technology keeps identity data secure during the

lifecycle of the Mobile ID. Versatile by design, Mobile IDs can also be assigned with comprehensive policies to comply with the majority of customer requirements.

Fully integrated into the iCLASS SE® platform, Mobile IDs provide a trusted and adaptable model that leverages the platform's Secure Identity Object® (SIO®) data model for multi-layered security. Mobile IDs are based on cryptographically-protected data objects with state-of-the-art cryptographic protocol and algorithms. These portable data objects are distributed from device to device using the secure protocol Seos provides. This ensures end-to-end protection between the device and reader, regardless of the underlying communications standard.

HID®

SPECIFICATIONS

HID MOBILE ACCESS®
Performance-oriented data footprint: 300-400 bytes for each Mobile ID
Data Binding capability to the user's device
Loadable in the device memory (tamper-proof data storage)
Device-agnostic design: Portable to any mobile device capable of running the Seos® software application
Operating System independent: Android™ and iOS® (or other mobile OS in the future)
Communications standard-independent: Bluetooth Smart and NFC
Provisioned through the Seos Trusted Services Manager (TSM) into registered mobile devices
Issue and revoke Mobile IDs via the Secure HID Identity Services portal (enterprise setup required)

SEOS APPLICATION
Lightweight application providing secure messaging and strong authentication services to distribute Mobile IDs
Mutual authentication protocol with generation of diversified session key to protect each card session
Protect over-the-air data communication with data confidentiality and integrity

SECURITY FEATURES
Cryptographically-protected data object that leverages SIO® data model and security
Cryptographic Key Management Policy: SE ELITE protection with different keys depending where mobile key resides (software- or hardware-based secure element)
Privacy-enhanced model to avoid revealing identity data (ex: via sniffing method)

INTEROPERABILITY
Supports iCLASS SE® and multiCLASS SE® Readers that can process SIO®-enabled data formats Supports iCLASS SE readers with firmware Revision E or later New mobile-enabled iCLASS SE readers shipped from HID Global distribution centers.

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HID Mobile Access®

SECURE ACCESS CONTROL THROUGH MOBILE DEVICES

- **Innovative** – Leverages standard communications technologies for a mobile solution that is interoperable with iOS® and Android™-based smartphones.

- **Convenient** – Activate with a tap or "Twist and Go" gesture to open doors easily, merging security with convenience.

- **Dynamic** – Increase operational efficiency by managing mobile access through a robust, streamlined portal.

A UNIQUE USER EXPERIENCE

HID Mobile Access® opens doors in a whole new way. With our innovative, patented gesture technology, just twist the mobile device upon approaching a door or parking gate for seamless access.

HID Global® has a long history of successfully moving physical access control forward. The evolution of mobile access is no exception. HID Mobile Access® leverages standard mobile device technologies to create a solution that is universally accessible, easy to deploy, and simple to manage.

Rarely misplaced and consistently in hand, the mobile device has become the most valued technology we own. HID Mobile Access merges security with convenience by storing secure identities on smartphones for opening doors and gates. This powerful solution enables Android or iOS phones to communicate with readers using a close-range "Tap" mode, or from a distance with HID Global's patented "Twist and Go" mode. Active feedback including vibration and sound enhances the user experience when opening doors.

HID Mobile Access makes managing access control easy. Increase operational efficiency with the ability to manage Mobile IDs though a robust online portal. Simply send invitations and provision or revoke Mobile IDs over-the-air. No physical encoding, printing or returns are necessary – secure identities are managed wirelessly through the phone.

Powered by our award-winning Seos® technology, HID Mobile Access provides superior identity management and delivers the most dynamic mobile solution available today.

HID MOBILE ACCESS® FEATURES:

- Consistent user experience across different devices and operating systems including iOS and Android.

- Phone and reader interaction is intuitive, easy to use and enables new ways to open doors.

- Offers a comprehensive, best-in-class management portal to issue and revoke Mobile IDs automated flows increase administrative efficiency.

- Readers support: Seos®, iCLASS SE®, standard iCLASS®, MIFARE®, DESFire®, HID Prox®.

HID MOBILE ACCESS REQUIREMENTS:

- iCLASS SE mobile-enabled readers.

- HID Secure Identity Services™ portal, A cloud-based management portal for administration of secure identities.

- Mobile IDs.

- HID Mobile Access® App available through the Apple® App Store and Google® Play.

SPECIFICATIONS

	HID MOBILE ACCESS®
Mobile Device Support	Android 4.3+ using Bluetooth® Smart Android 4.4+ iOS 7.0+ using Bluetooth Smart
HID Mobile Access® App	Multiple Mobile IDs managed in one application No need to start application when opening a door Consistent user experience
Opening Modes	Tap (like a contactless card) Twist and Go gesture (from a distance of up to 2 m or 6 ft)
Contactless Technologies	Powered by Seos utilizing Bluetooth Smart or NFC communications standards
HID Secure Identity Services™ Portal	Issue and revoke Mobile IDs Simple upload and management of users Fully automated process
Security	Mobile IDs can be protected by device lock screen Over-the-air communication with session based keys secured by AES 128/SHA-256 Mobile IDs are signed and encrypted using AES 128 Mobile IDs are stored in mobile device operating system or in secure element, where available

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