

HID Signo Readers

Models: 20, 40, 20K, 40K



Key Features

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

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, 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 – 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 baseplate²			
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 Draw³	NSC⁴: 60 mA Peak: 250 mA Max. Avg: 70 mA IPM⁵: 45 mA	NSC⁴: 65 mA Peak: 250 mA Max. Avg: 75 mA IPM⁵: 48 mA	NSC⁴: 65 mA Peak: 250 mA Max. Avg: 75 mA IPM⁵: 45 mA	NSC⁴: 70 mA Peak: 250 mA Max. Avg: 80 mA IPM⁵: 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 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
Warranty	Limited Lifetime		

Ordering Information

HID Signo 20 Readers

20NKS-01-000000	HID Signo 20 Reader, Wiegand, 13.56MHz SEOS, Pigtail
20TKS-01-000000	HID Signo 20 Reader, Wiegand, 13.56MHz SEOS, Terminal
20NKS-02-000000	HID Signo 20 Reader, Wiegand, 13.56MHz iClass SE, Pigtail
20TKS-02-000000	HID Signo 20 Reader, Wiegand, 13.56MHz iClass SE, Terminal
20NKS-00-000L5G	HID Signo 20 Reader, Wiegand, 13.56MHz Mifare CSN, Pigtail
20TKS-00-000L5G	HID Signo 20 Reader, Wiegand, 13.56MHz Mifare CSN, Terminal
20NKS-00-000000	HID Signo 20 Reader, Wiegand, 13.56MHz & 125kHz iClass SE, Pigtail
20NKS-00-000L5F	HID Signo 20 Reader, Wiegand, 13.56MHz & 125kHz Mifare CSN, Pigtail
20TKS-00-000000	HID Signo 20 Reader, Wiegand, 13.56MHz & 125kHz iClass SE, Terminal
20TKS-00-000L5F	HID Signo 20 Reader, Wiegand, 13.56MHz & 125kHz Mifare CSN, Terminal
20TKS-03-0005JF	HID Signo 20 Reader, Wiegand, CEM DESfire AES (PID only), Terminal

HID Signo 20 Keypad Readers

20KNKS-01-000000	HID Signo 20 Keypad Reader, Wiegand, 13.56MHz SEOS, Pigtail
20KTKS-01-000000	HID Signo 20 Kaypad Reader, Wiegand, 13.56MHz SEOS, Terminal
20KNKS-02-000000	HID Signo 20 Keypad Reader, Wiegand, 13.56MHz iClass SE, Pigtail
20KTKS-02-000000	HID Signo 20 Keypad Reader, Wiegand, 13.56MHz iClass SE, Terminal
20KNKS-00-000L5G	HID Signo 20 Keypad Reader, Wiegand, 13.56MHz Mifare CSN, Pigtail
20KTKS-00-000L5G	HID Signo 20 Keypad Reader, Wiegand, 13.56MHz Mifare CSN, Terminal
20KNKS-00-000000	HID Signo 20 Keypad Reader, Wiegand, 13.56MHz & 125kHz iClass SE, Pigtail
20KNKS-00-000L5F	HID Signo 20 Keypad Reader, Wiegand, 13.56MHz & 125kHz Mifare CSN, Pigtail
20KTKS-00-000000	HID Signo 20 Keypad Reader, Wiegand, 13.56MHz & 125kHz iClass SE, Terminal
20KTKS-00-000L5F	HID Signo 20 Keypad Reader, Wiegand, 13.56MHz & 125kHz Mifare CSN, Terminal
20KTKS-03-0005JF	HID Signo 20 Keypad Reader, Wiegand, CEM DESfire AES (PID only), Terminal

HID Signo 40 Readers

40KNKS-01-000000	HID Signo 40 Reader, Wiegand, 13.56MHz SEOS, Pigtail
40KTKS-01-000000	HID Signo 40 Reader, Wiegand, 13.56MHz SEOS, Terminal
40KNKS-02-000000	HID Signo 40 Reader, Wiegand, 13.56MHz iClass SE, Pigtail
40KTKS-02-000000	HID Signo 40 Reader, Wiegand, 13.56MHz iClass SE, Terminal
40KNKS-00-000L5G	HID Signo 40 Reader, Wiegand, 13.56MHz Mifare CSN, Pigtail
40KTKS-00-000L5G	HID Signo 40 Reader, Wiegand, 13.56MHz Mifare CSN, Terminal
40KNKS-00-000000	HID Signo 40 Reader, Wiegand, 13.56MHz & 125kHz iClass SE, Pigtail
40KNKS-00-000L5F	HID Signo 40 Reader, Wiegand, 13.56MHz & 125kHz Mifare CSN, Pigtail
40KTKS-00-000000	HID Signo 40 Reader, Wiegand, 13.56MHz & 125kHz iClass SE, Terminal
40KTKS-00-000L5F	HID Signo 40 Reader, Wiegand, 13.56MHz & 125kHz Mifare CSN, Terminal
40KTKS-03-0005JF	HID Signo 40 Reader, Wiegand, CEM DESfire AES (PID only), Terminal

HID Signo 40 Keypad Readers	
40KNKS-01-000000	HID Signo 40 Keypad Reader, Wiegand, 13.56MHz SEOS, Pigtail
40KTKS-01-000000	HID Signo 40 Kaypad Reader, Wiegand, 13.56MHz SEOS, Terminal
40KNKS-02-000000	HID Signo 40 Keypad Reader, Wiegand, 13.56MHz iClass SE, Pigtail
40KTKS-02-000000	HID Signo 40 Keypad Reader, Wiegand, 13.56MHz iClass SE, Terminal
40KNKS-00-000L5G	HID Signo 40 Keypad Reader, Wiegand, 13.56MHz Mifare CSN, Pigtail
40KTKS-00-000L5G	HID Signo 40 Keypad Reader, Wiegand, 13.56MHz Mifare CSN, Terminal
40KNKS-00-000000	HID Signo 40 Keypad Reader, Wiegand, 13.56MHz & 125kHz iClass SE, Pigtail
40KNKS-00-000L5F	HID Signo 40 Keypad Reader, Wiegand, 13.56MHz & 125kHz Mifare CSN, Pigtail
40KTKS-00-000000	HID Signo 40 Keypad Reader, Wiegand, 13.56MHz & 125kHz iClass SE, Terminal
40KTKS-00-000L5F	HID Signo 40 Keypad Reader, Wiegand, 13.56MHz & 125kHz Mifare CSN, Terminal
40KTKS-03-0005JF	HID Signo 40 Keypad Reader, Wiegand, CEM DESfire AES (PID only), Terminal

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

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