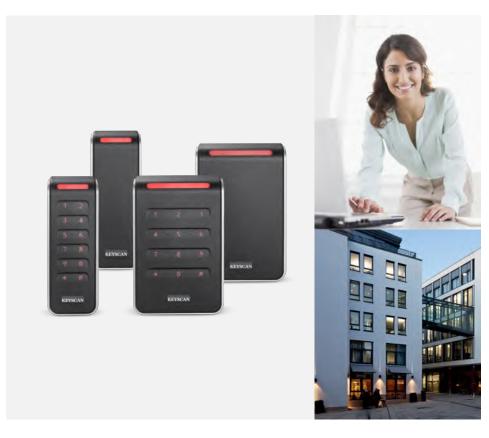


# HID® SIGNO™ Reader Series

## Versatile access control readers



#### Advantages at a glance

- **Versatile:** Support for the widest range of credential technologies
- 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
- Support: Open Supervised Device Protocol (OSDP) for secure bidirectional communication and Wiegand for legacy applications
- **Design:** Sleek, innovative design to suit modern architecture
- Adaptable: Built on a hardware platform designed to be adaptable to future technology

#### Beyond traditional reader models

The Signo Reader Series is the signature line of physical access control readers from HID for use with Keyscan™ access control systems.

The versatility, performance and connected capabilities of the Signo readers set a new benchmark for readers that are highly adaptable, interoperable and secure.

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

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

They are available in three groups:

**KS-1 Series:** For use in Seos environments. Functions with Seos readers and are mobile ready.

**KS-2 Series:** For use in iCLASS® SE™ and SE legacy public key environments. Functions with Seos, SE and SR credentials as well as other 13.56 MHz technology. Also, mobile ready.

**KS-0 Series:** For use in a multiple credential environment. Functions with both 125kh and many 13.56MHz technologies. Also, mobile-ready.

#### **Specificaitons**

KS-1 Series KS-2 Series KS-0 Series	KS20NKS1 KS20NKS2 KS20NKS0	KS20KNKS1 KS20KNKS2 KS20KNKS0	KS40NKS1 KS40NKS2 KS40NKS0	KS40KNKS1 KS40KNKS2 KS40KNKS0
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KS-1 Credential compatibility	18KSEOS, IDSOSE (dual technology credential) <sup>4</sup>			
KS-2 Credential compatibility	All KS-1 profile credentials plus I2K2PSR36, F2K2PSR36; T2K2PSR36			
KS-0 Credential compatibility	All KS-1 and KS-2 profile credentials plus CS125-36, PSM-2P-H, PSK-3-H, PDT-1-H, PSC-1-H, PSI-4-H, PSM-2S-H, PDT-1-H, DE2-125, K-TX2, HID-C1325, HID-C1386, HID-1391, PROXKEYIII. Keyscan Indala PX-C1, PXKEY, PX-STKTAG, PX-ISO30 and K-INTX2			
Read range <sup>1</sup>	High-frequency credentials: 1.6 to 4 in (4 to 10 cm) Standard frequency credentials: 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 <sup>2</sup>			
Keypad	No	Yes (2x6 layout)	No	Yes (3x4 layout)
Dimensions	1.77 in x 4.78 in x 0.77 in (45 x 121.5 x 19.5 mm)	1.78 in x 4.79 in x 0.85 in (45 x 121.5 x 21.5 mm)	3.15 in x 4.78 in x 0.77 in (80 x 121.5 x 19.5 mm)	3.16 in x 4.79 in x 0.85 in (80 x 121.5 x 21.5 mm)
Weights	Pigtail: 3.35 oz (95 g)	Pigtail: 3.88 oz (110 g)	Pigtail: 4.94 oz (140 g)	Pigtail: 5.64 oz (160 g)
Operating voltage	12V DC			
Current draw <sup>3</sup>	60 mA Peak: 250 mA	65 mA Peak: 250 mA	65 mA Peak: 250 mA	70 mA Peak: 250 mA
Device I/O	Input: Tri-color LED, buzzer, hold @ Active low Output: Tamper relay 0-60V DC @ 100mA Max (Dry contact)			
Operating temperature and Humidity	-31° F to +150° F (-35° C to +66° C) 0% to 95% non-condensing			
Environmental rating	UL294 Outdoor and Indoor rated, IP65			
Transmit frequency	125 kHz, 13.56 MHz, and 2.4 GHz			
Panel communications	Wiegand, RS-485 via Pigtail (18 in / 0.5 m) or Terminal strip			
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.			
Warranty	Limited Lifetime			

- 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. IDSOSE is a "bridge" credential that will function with both iCLASS readers with Keyscan Elite Key and Signo readers (public key).

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### Any questions? We would be happy to advise you.

Contact us at: 1-888-539-7226