HID Global

SIGNO SMART keypad reader - 13.56 MHz SEOS iClass SIO - Pigtail

SCAP part number: 20NKS-SMART

HID Signo 20K reader (narrow, for door frames, with keypad): HID's flagship reader range, mobile-ready, with built-in OSDP. SMART profile: 13.56 MHz — SEOS, iCLASS and SIO.



Key features

- Mobile-ready: Bluetooth and NFC (HID Mobile Access, Apple Wallet via ECP)
- Built-in OSDP with Secure Channel, for secure two-way communication
- EAL5+ certified secure element (evaluation in progress according to the data sheet) for key storage
- Surface detection: the reader recalibrates automatically to optimise the read range
- Remote management and updates with HID Reader Manager, configuration by mobile or OSDP
- Supports more than 15 credential technologies, including iCLASS Elite and Corporate 1000
- IP65 rating, indoor and outdoor installation

Technical specifications

HID model	Signo 20K
Frequencies	125 kHz, 13.56 MHz and 2.4 GHz (Bluetooth)
13.56 MHz	Seos, iCLASS SE, iCLASS SR, iCLASS, MIFARE Classic®, MIFARE DESFire® EV1, EV2 and EV3; Seos mobile credentials (HID Mobile Access, NFC/BLE)
125 kHz	HID Proximity, Indala Proximity, AWID Proximity, EM Proximity
Typical read range	4 to 10 cm (Seos, MIFARE®, DESFire®, ISO 14443A); 6 to 10 cm (125 kHz)
Interfaces	Wiegand and RS-485 half duplex (OSDP)
Connection	0.5 m cable (pigtail) or terminal block
Power supply	12 V DC
Power consumption	Normal standby: 65 mA; maximum average: 75 mA; IPM mode: 48 mA; peak: 250 mA
Dimensions (width × length × depth)	45 × 121.5 × 21.5 mm
Weight	110 g / 90 g
Material	Polycarbonate UL94 V0

Colour	Black housing, silver plate
Operating temperature	-35 °C to +66 °C; humidity 0 – 95% non-condensing
Protection rating	IP65; UL294 indoor / outdoor
Inputs / outputs	Input: three-colour LED, buzzer, hold; output: tamper relay 0 – 60 V DC, 100 mA max.
Manufacturer's warranty	Limited lifetime (HID terms)
Note	The technologies listed are those of the Signo family; the factory configuration of this part number's profile may restrict what it reads. Contact us to confirm compatibility.
Certifications	UL294/cUL, FCC, IC, CE, RCM, RoHS, Bluetooth SIG and other regions (see hidglobal.com/certifications)
Keypad	12 keys (2 × 6)
Housing width	Narrow
Secure reading	Yes: Seos and iCLASS (DESFire® badges require a Standard or Custom profile)
Bluetooth	Yes

Applications

- High-security access control
- Migration from legacy technologies to Seos / mobile
- Connected sites managed remotely

Commercial information

SCAP part number	20NKS-SMART
Brand	HID Global – HID Signo range
Family	HID Global brand
Description	SIGNO SMART keypad reader - 13.56 MHz SEOS iClass SIO - Pigtail
Delivery	Constant stock; next-day or two-day delivery depending on availability. Lead times are given for guidance only.
Free carriage threshold	For any order delivered in a single shipment with a minimum value of €1,000 excl. VAT (excluding carriage). Mainland France.
Minimum order	€100 excl. VAT. Below that: payment in advance or a €15 excl. VAT handling charge.
Payment	First order paid in advance when the account is opened, then 30 days end of month once credit insurance is approved.
Warranty	12 months from the invoice date (return for replacement or repair of the faulty part).
Complaints	Visible defects: reservations within 2 clear days of receipt. Quantities and quality: 8 clear days.
Returns	Only with prior written agreement, within one month of delivery; credit note issued on the basis of 90% of the invoiced amount.

Documents and sources

- Data source: HID Signo data sheet (PLT-04831, 2020-03)

Indicative specifications, subject to change without notice. Prices and availability: contact SCAP.