Proximity card reader

Signo 20K



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.

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.

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1. Select hardware option (select one model)



☐ **20** - Designed for applications requiring a narrow card reader.



☐ **20K** - Designed for applications requiring a narrow reader with 2 x 6 capacitive keypad.



☐ **40** - Designed for applications requiring switch mounting.



☐ **40K** - Designed for applications requiring wall switch mounting with 3 x 4 capacitive keypad.

Wiring Connection (select one option)

☐ **N** - Pigtail

☐ **T** - Terminal Strip

Body Color

☒ **K** - Black

Trim/Mounting Plate Color

☒ **S** - Silver

A black trim/mounting plate is available as an accessory item at an additional cost. Please see accessories list below.

2. Select credential profile (select one option)

	Communication Type	NFC/BLE	High Frequency												Low Frequency		
	Credentials Technologies Supported	Seos (Mobile IDs via NFC/BLE)	Seos	iCLASS SE	iCLASS SR	iCLASS	MIFARE DESFire EV1/EV2/EV3 (SIO)	MIFARE Classic (SIO)	MIFARE DESFire EV1/EV2/EV3 (CSN)	MIFARE Classic (CSN)	MIFARE DESFire EV1/EV2/EV3 (Custom Data)	MIFARE Classic (Custom Data)	FeliCa IDm	CEPAS (CAN or UID)	125kHz HID Proximity	125kHz Indala Proximity	125kHz EM4102 Proximity
Regular Options	☐ **00** - Standard Profile	●	●	●	●	●	●	●	●	●	–	–	–	–	●	●	●
	☐ **01** - Seos Profile	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	☐ **02** - Smart Profile	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–
	☐ **03** - Custom Profile	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Priority Options	☐ **T0** - Priority Standard Profile	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–
	☐ **T1** - Priority Seos Profile	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	☐ **T2** - Priority Smart Profile	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–
	☐ **T3** - Priority Custom Profile	●	●	●	●	●	●	●	●	●	●	●	●	●	–	–	–

● Supported – Not supported

Reader type	proximity
Card standard	unique, mifare, mifare desfire, HID® iCLASS® Seos®, HID® iCLASS SE®, HID® iCLASS®, HID prox, HID Mobile Access®
Operating frequency	125 kHz, 13,56 MHz, NFC, Bluetooth
Read range	up to 10 cm
Supply voltage	12 V DC
Current load	65 mA
Keypad	yes
Tamper sensor	optical
Output interface	Wiegand, Open Supervised Device Protocol (OSDP)
Hardware connection	terminal strip or pigtail
Dimensions	121.5 mm x 43 mm x 21.5 mm
Indoor /outdoor	for indoor and outdoor use
Temperature range	-35°C to 65°C

Humidity (non-condensing)	0% - 95%