

# Signo

13.56MHz and 2.4GHz Credential Readers



Signo 20 /  
Signo 20 Express

Signo 20  
Keypad

Signo 40

Signo 40 Keypad

## Key Features

- SEOS readers provide use over long distances using OSDP. The SEOS Express provides a cost effective solution supporting Wiegand
  - 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
- Meet every need, adapt to any situation
  - Mobile capable with native bluetooth and NFC
  - Robust outdoor performance with an IP65 rating
- Easy management
  - Easily and securely managed using HID Reader Manager
  - Configure via a mobile device
  - Personalize by configuring audio visual or keypad settings

	Signo 20 Express	Signo 20	Signo 20 Keypad	Signo 40	Signo 40 Keypad
Part Number	20XTKK-X1-000000-H003	20TKS-01-000000-H003	20KTKS-01-000000-H003	40TKS-01-000000-H003	40KTKS-01-000000-H003
2.4GHz (Bluetooth) Credential Compatibility	Mobile Credentials powered by Seos® (Mobile Access)				
Credential Compatability	Signo 20 Express (13.56MHz) SEOS Reader, Wiegand, NFC/BLE 2.4GHz, Mobile & SEOS Cards	Signo (13.56MHz) SEOS Reader, Wiegand/OSDP, NFC/BLE 2.4GHz, Mobile & SEOS Cards			
Typical Read Range	SEOS Single Technology Cards - 1.6" to 4" (4cm to 10cm)				
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				
Keypad	No	Yes (2 x 6 layout)		No	Yes (3 x 4 layout)
Dimensions	1.77" x 4.78" x 0.77" (45mm x 121.5mm x 19.5mm)	1.78" x 4.79" x 0.85" (45mm x 121.5mm x 21.5mm)		3.15" x 4.78" x 0.77" (80mm x 121.5mm x 19.5mm)	3.16" x 4.79" x 0.85" (80mm x 121.5mm x 21.5mm)
Product Weight	Terminal: 2.65oz (75g)	Terminal: 3.17oz (90g)		Terminal: 4.23oz (120g)	Terminal: 4.94oz (140g)
Operating Voltage	12V DC				
Current Draw	NSC: 60mA, Peak: 250mA Max. Avg: 70mA, IPM: 45mA	NSC: 65mA, Peak: 250mA Max. Avg: 75mA, IPM: 48mA		NSC: 65mA, Peak: 250mA Max. Avg: 75mA, IPM: 45mA	NSC: 70mA, Peak: 250mA Max. Avg: 80mA, IPM: 55mA
Input	Tri-color LED, Buzzer, Hold @ Active Low				
Output	Tamper Relay 0-60V DC @ 100mA Max (Dry Contact)				
Operating Temperature	-31° F to +150°F (-35°C to +66°C)				
Humidity	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	13.56MHz and 2.4GHz				
Communications & Panel Connection	Wiegand via Terminal Strip	Wiegand and RS-485 Half Duplex (OSDP) via Terminal Strip			
Device Management	HID Reader Manager	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				
Security Ratings	EAL 5+ Certified Secure Element Hardware				
Housing Materials	POLYCARBONATE - UL94 V0				
UL Reference Number	20	20K		40	40K
HS Code	8471.90.0000				

NSC = Normal Standby Current, IPM = Intelligent Power Management

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](https://www.hanwhavision.com)  
Hanwha Vision is formerly known as Hanwha Techwin.

# Signo

13.56MHz, 125kHz and 2.4GHz Credential Readers



Signo 20

Signo 20 Keypad

Signo 40

Signo 40 Keypad

## Key Features

- SEOS 13.56 MHz and 125 kHz readers utilise an extended range of card formats supporting mixed use credential applications
- Menu selectable are Near Field Communication (NFC) and SEOS supporting 13.56 MHz, Bluetooth (BLE) 2.4 GHz and Proximity communication over 125 kHz

	Signo 20	Signo 20 Keypad	Signo 40	Signo 40 Keypad
Part Number	20TKS-00-000000-H003	20KTKS-00-000000-H003	40TKS-00-000000-H003	40KTKS-00-000000-H003
2.4 GHz (Bluetooth) Credential Compatibility	Mobile Credentials powered by Seos® (Mobile Access)			
Credential Compatibility	Signo 20 SEOS Reader, Wiegand/OSDP, NFC/BLE Mobile SEOS Credential & SEOS Cards, iCLASS, iCLASS SE/SR, MIFARE HID DESFire EV1/EV2/EV3 (SIO/CSN), MIFARE HID Classic (SIO/CSN), 125kHz HID Prox/Indala, 125kHz EM4102			
Typical Read Range	iCLASS SE®/iCLASS SEOS/HID MIFARE/HID MIFARE DESFire EV1/EV2, MIFARE Classic & ISO 14443A Single Technology Cards - 1.6" to 4" (4cm to 10cm) HID/EM Proximity & 125 kHz Single Technology Cards - 2.4" to 4" (6cm to 10cm)			
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			
Keypad	No	Yes (2 x 6 layout)	No	Yes (3 x 4 layout)
Dimensions	1.77" x 4.78" x 0.77" (45mm x 121.5mm x 19.5mm)	1.78" x 4.79" x 0.85" (45mm x 121.5mm x 21.5mm)	3.15" x 4.78" x 0.77" (80mm x 121.5mm x 19.5mm)	3.16" x 4.79" x 0.85" (80mm x 121.5mm x 21.5mm)
Product Weight	Terminal: 2.65oz (75g)	Terminal: 3.17oz (90g)	Terminal: 4.23oz (120g)	Terminal: 4.94oz (140g)
Operating Voltage	12V DC			
Current Draw	NSC: 60mA, Peak: 250mA Max. Avg: 70mA, IPM: 45mA	NSC: 65mA, Peak: 250mA Max. Avg: 75mA, IPM: 48mA	NSC: 65mA, Peak: 250mA Max. Avg: 75mA, IPM: 45mA	NSC: 70mA, Peak: 250mA Max. Avg: 80mA, IPM: 55mA
Input	Tri-color LED, Buzzer, Hold @ Active Low			
Output	Tamper Relay 0-60V DC @ 100mA Max (Dry Contact)			
Operating Temperature	-31° F to +150° F (-35° C to +66° C)			
Humidity	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	125kHz, 13.56MHz, and 2.4GHz			
Communications & Panel Connection	Wiegand and RS-485 Half Duplex (OSDP) via 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			
Security Ratings	EAL 5+ Certified Secure Element Hardware			
Housing Materials	POLYCARBONATE - UL94 V0			
UL Reference Number	20	20K	40	40K
HS Code	8471.90.0000			

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