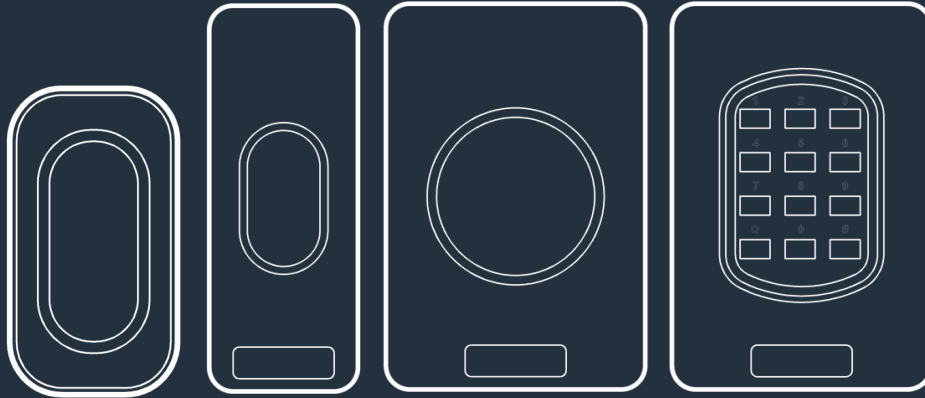


# IoT Sensor

Mini Mullion, Mullion, Wall Mount, Keypad



	Mini Mullion	Mullion	Wall Mount	Keypad
<b>Model Number</b>	SA500	SA510	SA520	SA530
<b>Part Number</b>	8845-000	8845-100-H*	8845-200-H* 8845-200	8845-300-H* 8845-300
<b>Mounting</b>	Mini Mullion	Mullion	Wall Mount	Wall Mount
<b>Input</b>	Proximity (125kHz), Smartcards (13.56MHz), Bluetooth Low Energy, NFC (ApplePay) 2.45GHz			
<b>Output</b>	Wiegand, OSDP (RS-485), Wi-Fi, BLE Mesh Network			
<b>Current Consumption (@12V)</b>	110 mA Average 200 mA Peak	110 mA Average 200 mA Peak	110 mA Average 200 mA Peak	130 mA Average 210 mA Peak
<b>Power Supply</b>	7...16 VDC			
<b>Product Weight</b>	94 g / 3.31 oz +/- 5%	141 g / 4.97 oz +/- 5%	290 g / 10.23 oz +/- 5%	310 g / 10.93 oz +/- 5%
<b>Dimensions</b>	3.9 x 7.4 x 2.3 cm (1.57 x 3.05 x .94 in)	11.8 x 4.3 x 2.8 cm (4.6 x 1.7 x 1.1 in)	11.8 x 7.8 x 2.8 cm (4.6 x 3.1 x 1.1 in)	11.8 x 7.8 x 2.8 cm (4.6 x 3.1 x 1.1 in)
<b>Color</b>	Black			
<b>Operating Temperature</b>	-35...+65°C / -31...+149°F			



<b>Storage Temperature</b>	-35...+85°C / -31...+185°F
<b>Operating Humidity</b>	5% to 95% relative humidity (non-condensing)
<b>Connection</b>	Pigtail Cable
<b>Status Indicator</b>	LED and Buzzer
<b>Configuration &amp; Firmware Updates</b>	Wi-Fi (remote via secure cloud portal) • BLE (onsite, using administrator's mobile device) • OSDP (using PACS)
<b>Cable Distance</b>	Wiegand 152 m / 500 ft (22 AWG wire), RS-485 11219 m / 4000 ft
<b>LF Credential Compatibility (125 KHZ)</b>	HID®, Indala®, Casi Rusco®, AWID®, Farpointe®, & others (*High-frequency only models. Please note, these models do not read low-frequency 125kHz proximity cards.)
<b>HF Card Compatibility (13.56 MHZ)</b>	MIFARE Classic, DESFire EV3, ISO 15693 CSN, ISO 14443A/B CSN/UID, HID® iCLASS secure read
<b>Read Range</b>	High Frequency Java Cards: Up to 4 cm / 1.6" • MIFARE Classic: Up to 6 cm / 2.4" • DESFire EV3: Up to 6 cm / 2.4" • Low Frequency: Up to 7 cm / 2.8" • ApplePay (10 cm / 3.93")
<b>Certifications</b>	FCC, CE, IC, RCN, RoHS2 (TBD)
<b>Environmental Protection</b>	IP65
<b>Mobile Operating Systems</b>	Apple iOS 11.0 or later; Android 4.4 or later on devices with the Safetrust Wallet
<b>Mobile Credential Emulations</b>	Most popular card formats including HID®, Indala®, AWID®, GE Casi®, Farpointe and Honeywell®, MIFARE® Classic, MIFARE® DESFire®, PIV, and FIDO2
<b>Bluetooth Range</b>	Touch to 100 ft (0 to 30 meters)
<b>Wi-Fi</b>	802.11b/g/n 2.4 and 5 GHz, IPv4, IPv6, 802.1x
<b>Encryption</b>	Hardware secure element EAL 6+, AES 256, ECC, TLS, x.509, OSDP v2 SC
<b>Relay</b>	Solid state relay
<b>Tamper</b>	Optical
<b>Interoperability</b>	Natively interoperable with Safetrust sensor ecosystem (built on Bluetooth 5.0 mesh)
<b>Warranty</b>	Limited Lifetime

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