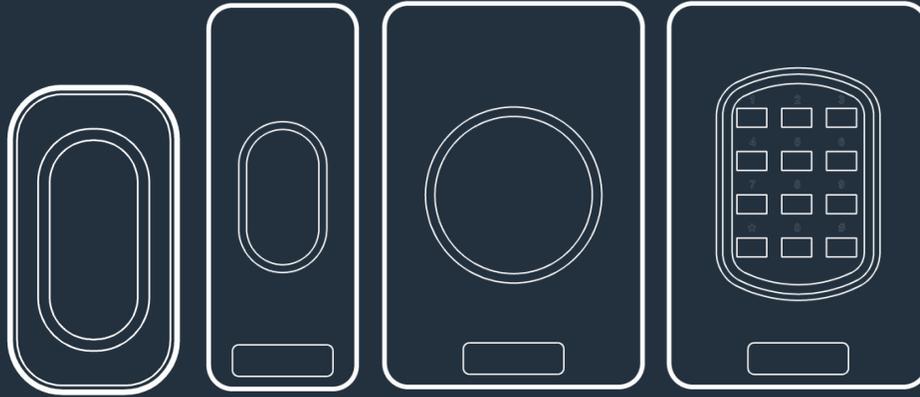


# IoT Sensor

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                                       | 8845-200                                       | 8845-300                                       |
|                                   | <i>*add -H after above part numbers if ordering HF-only version (i.e. 8845-000-H)</i>    |  |  |  |
| <b>Mounting</b>                   | Mini Mullion   | Mullion  | Wall Mount                                     | Wall Mount                                     |
| <b>Input</b>                      | Proximity (125kHz), Smartcards (13.56MHz), Bluetooth Low Energy, NFC (Apple Pay) 2.45GHz |  |  |  |
| <b>Output</b>                     | Wiegand, OSDP (RS-485), Wi-Fi, BLE Mesh Network  |  |  |  |
| <b>Current Consumption (@12V)</b> | 110 mA Average<br>200 mA Peak  | 110 mA Average<br>200 mA Peak                  | 110 mA Average<br>200 mA Peak                  | 130 mA Average<br>210 mA Peak                  |
| <b>Power Supply</b>               | 12 VDC   |  |  |  |
| <b>Product Weight</b>             | 94 g / 3.31 oz<br>+/- 5%   | 141 g / 4.97 oz<br>+/- 5%                      | 290 g / 10.23<br>oz +/- 5%                     | 310 g / 10.93<br>oz +/- 5%                     |
| <b>Dimensions</b>                 | 3.9 x 7.4 x 2.3<br>cm (1.57 x 3.05<br>x .94 in)  | 11.8 x 4.3 x 2.8<br>cm (4.6 x 1.7 x<br>1.1 in) | 11.8 x 7.8 x 2.8<br>cm (4.6 x 3.1 x<br>1.1 in) | 11.8 x 7.8 x 2.8<br>cm (4.6 x 3.1 x<br>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 / 1000 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"<br>• 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, RCM, UKCA, India (others pending)   |
| <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>                                | Accelerometer  |
| <b>Interoperability</b>                      | Natively interoperable with Safetrust sensor ecosystem (built on Bluetooth 5.0 mesh)   |
| <b>Warranty</b>                              | Limited Lifetime   |

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