

# SSA-R2010

## FINGERPRINT RECOGNITION, PROXIMITY / SMART CARD READER



### KEY Features

- 125KHz Proximity / 13.56MHz Contact-less Smart Card and Fingerprint Recognition
- 1:1 Verification and 1: N Identification storable 2 Fingerprint Templates
- 1,000 / 2,000 / 4,000 Fingerprint Users and 10,000 ID Users
- Auto Touch sensor for fingerprint only identification
- Operating Mode selectable by Individual ID (RF only / Fingerprint only / RF+Fingerprint)
- Network Communication via RS232, RS485, TCP/ IP
- Master card for user registration and deletion
- 26bit / 34bit Wiegand Output
- Tamper Switch

### Specifications

| Model                                    | SSA-R2010   | SSA-R2020 | SSA-R2040 | SSA-R2011                                | SSA-R2021 | SSA-R2041 |
|--|---|-----------|-----------|--|-----------|-----------|
| Fingerprint Users                        | 1,000   | 2,000     | 4,000     | 1,000                                    | 2,000     | 4,000     |
| Fingerprint Templates Size               | 800Bytes for 2 Fingerprint Templates  |           |           |  |           |           |
| Power / Current                          | DC 12V / Max.290mA  |           |           | DC 12V / Max.310mA                       |           |           |
| Reader Port                              | External Reader Port 1ea : 26bit Wiegand  |           |           | External Reader Port 1ea : 34bit Wiegand |           |           |
| Frequency                                | 125KHz  |           |           | 13.56MHz                                 |           |           |
| Reading Time (Card)                      | 30ms  |           |           |  |           |           |
| Verification Time                        | Less than 1sec.   |           |           |  |           |           |
| Identification Time                      | Less than 2sec.   |           |           |  |           |           |
| Communication                            | RS232, RS485, TCP/IP  |           |           |  |           |           |
| Baud Rate(bps)                           | 57,600  |           |           |  |           |           |
| Input Port                               | 3ea (External LED Control, External Buzzer Control, Operating Mode(RF/ RF+ Finger) Control) |           |           |  |           |           |
| Output Port                              | 2ea (Error- Output, OK-Output(Open Collector Output))                                       |           |           | 26bit Wiegand                            |           |           |
|  |   |           |           | 34bit Wiegand                            |           |           |
| LED Indicator                            | 3 LED Indicators (Red, Green and Orange)  |           |           |  |           |           |
| Beeper                                   | Piezo Buzzer  |           |           |  |           |           |
| Voice Output                             | English   |           |           |  |           |           |
| Operating Temperature                    | 0°C to +50°C  |           |           |  |           |           |
| Operating Humidity                       | 10% to 90% relative humidity non-condensing   |           |           |  |           |           |
| Color / Material                         | Silver with Black / Polycarbonate   |           |           |  |           |           |
| Dimension (W x H x D)                    | 65.0 x 128.0 x 48.5mm   |           |           |  |           |           |
| Weight                                   | 240g  |           |           | 230g                                     |           |           |
| <b>Fingerprint Module Specifications</b> |   |           |           |  |           |           |
| Resolution                               | 500dpi  |           |           |  |           |           |
| Capture Image Size                       | 412 x 302 pixels  |           |           |  |           |           |
| Extraction Image Size                    | 260 x 300 pixels  |           |           |  |           |           |
| Sensing Area                             | 13mm x 15.2mm   |           |           |  |           |           |
| Scanner                                  | High Quality Optical Sensor   |           |           |  |           |           |
| FAR                                      | 0.001%  |           |           |  |           |           |
| FRR                                      | 0.1%  |           |           |  |           |           |
| ESD                                      | 15KV  |           |           |  |           |           |
| Verification Time                        | Less than 1sec.   |           |           |  |           |           |
| Identification Time                      | Less than 2sec.   |           |           |  |           |           |

