

SSA-R2010/R2020/R2040/ R2011/R2021/R2041

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))			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		
Fingerprint Module Specifications						
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.					

