

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

Wiegand Compatible Reader
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 RS-232, RS-485, TCP/IP
- Master card for user registration and deletion
- 26bit / 34bit wiegand output
- Tamper switch

Technical Specifications

	SSA-R2010/R2020/R2040	SSA-R2011/R2021/R2041
USER / EVENT BUFFERS		
Fingerprint Users	1,000 : SSA-R2010/R2011 / 2,000 : SSA-R2020/R2021 / 4,000 : SSA-R2040/R2041	
AUTHENTICATION		
Method	RFID, Fingerprint	
Verification / Identification Time (Fingerprint)	Less than 1sec / Less than 2sec	
INPUT / OUTPUT		
Reader Port	1ea (26bit / 34bit wiegand)	
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 indicator (Red, Green, Yellow)	
Beeper	Piezo buzzer	
OPERATIONAL		
Frequency / Format	125KHz / Samsung	13.56MHz / MIFARE
Voice Out	English, French, German, Spanish, Italian, Russian, Turkish, Chinese, Korean	
Communication	TCP/IP, RS-232, RS-485	
ENVIRONMENTAL		
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)	
Operating Humidity	Less than 90% RH	
ELECTRICAL		
Input Voltage / Current	12V DC / Max. 290mA	12V DC / Max. 310mA
Power Consumption	Max. 3.5W	Max. 3.8W
MECHANICAL		
Color / Material	Silver and black / Polycarbonate	
Dimensions (WxHxD)	65.0 x 128.0 x 48.5mm (2.56" x 5.04" x 1.91")	
Weight	240g (0.53 lb)	
FINGERPRINT MODULE SPECIFICATIONS		
Resolution	500dpi	
Capture Image Size	412 x 302pixels	
Extraction Image Size	260 x 300pixels	
Sensing Area	13 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	

Dimensions

Unit : mm (inch)

