SSA-S3010/S3020/S3040

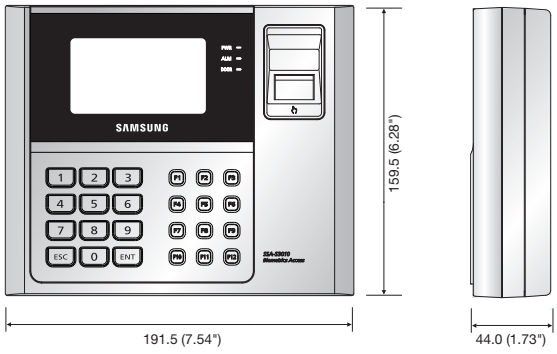
Fingerprint Recognition,
Proximity / Smart Card & Pin,
Time & Attendance Access Controller

Key Features

- 125KHz proximity / 13.56MHz contact-less smart card, PIN and fingerprint recognition
- Dual function for access control and time & attendance
- 1 : 1 verification and 1 : N identification storable 2 fingerprint templates
- Fingerprint quality display
- 1,000 / 2,000 / 4,000 fingerprint users
- 10,000 / 20,000 ID users and 20,000 / 10,000 event buffers (selectable)
- 4 level door open time setting by individual ID
- Time schedules setting by individual ID, input port, output port and reader mode
- Network communication via RS-232, RS-485 and built-in TCP/IP
- 4 input, 4 output (2 relay output)
- 26bit / 34bit wiegand input / output
- User name display on LCD
- 2 man operation mode / duress alarm function
- Graphic LCD with multi language display
- Cut off check for input devices

Dimensions

Unit : mm (inch)



Technical Specifications

	SSA-S3010/S3020/S3040
USER / EVENT BUFFERS	
Total ID Users	Up to 20,000 users
Fingerprint Users	1,000 : SSA-S3010 / 2,000 : SSA-S3020/ 4,000 : SSA-S3040
Event Buffers	Up to 20,000 event buffers
AUTHENTICATION	
Method	RFID, PIN, Fingerprint
Verification / Identification Time (Fingerprint)	Less than 1sec / Less than 2sec
INPUT / OUTPUT	
Reader Port	1ea (26/34bit wiegand, 4/8bit burst for PIN for anti pass-back)
Input Port	4ea (Exit button, Door sensor, Aux#1, Aux#2)
Output Port	2ea (2 form-C relay output / 12V ~ 18V DC, Rating max. 2A) 1ea (TTL output / 5V DC, Rating max. 20mA) 1ea (26/34bit wiegand out data 0,1), 26bit wiegand : SSA-S3010/S3020/S3040
LED Indicator	3 LED indicator (Red, Green, Yellow)
Beeper	Piezo buzzer
OPERATIONAL	
Frequency / Format	125KHz / Samsung
On Screen Display	English, French, German, Spanish, Italian, Russian, Turkish, Chinese, Korean
Voice Out	English, French, German, Spanish, Italian, Russian, Turkish, Chinese, Korean
LCD	Graphic LCD (128 x 64dots), 72.5 x 39.5mm (2.85" x 1.56") view area
Keypad	24key numeric keypad with back lighting (12 function key included)
Communication	TCP/IP, RS-232, RS-422, RS-485 (Max. 32CH)
ENVIRONMENTAL	
Operating Temperature	0°C ~ +50°C (+32°F ~ +122°F)
Operating Humidity	Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC / Max. 540mA
Power Consumption	Max. 6.5W
MECHANICAL	
Color / Material	Silver and black / Polycarbonate
Dimensions (WxHxD)	191.5 x 159.5 x 44.0mm (7.54" x 6.28" x 1.73")
Weight	760g (1.68 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
TIME SCHEDULES	
Time Code	10
Time Interval	5
Holiday Code	10
Holiday	100