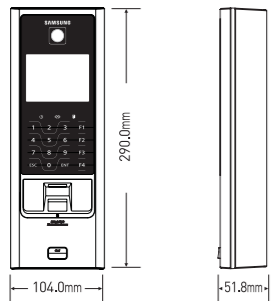


SSA-S4000/S4001

FACIAL IMAGE CAPTURE
FINGERPRINT IDENTIFICATION
PROXIMITY / SMART CARD & PIN
TIME & ATTENDANCE ACCESS CONTROLLER



KEY Features

- 125Khz Proximity / 13.56Mhz Contact-less Smart Card, PIN and Fingerprint Recognition and Facial Image Capture
- Triple function for Video Capturing, Access Control and Time & Attendance
- 1:1 Verification and 1:N Identification storable 2-5 Fingerprint Templates per user
- Power Over Ethernet supports for easy plug and play
- Video output port (720 x 480 NTSC, 720 x 576 PAL)
- 100,000 Uses and 500,000 Event Buffers
- Up to 50,000 finger Templates storable.
- Network Communication via RS232, RS485, Built-in TCP/IP
- Wiegand input / output
- Individual Fingerprint Parameter Setting available.
- 4 wire connection for Intercom integration
- 4 Input, 6 Output (2 Relay Output)
- 3.5" Color TFT LCD / Touch Keypad
- CCD Color Camera (Total Pixel : 410K)
- Stores up to 6,000 Still image at 720x480 JPEG
- Video recording 3sec, 5sec or 10sec available (640 x 480, 30 frame per sec)
- Displays captured Fingerprint image and quality
- Event Search by date, ID and event type
- 2 Men Operation Mode / Duress Alarm Function
- ARM / DISARM Function for Alarm Panel
- Voice Guide for user registration menu

TIME SCHEDULES

TIME CODE : 10
TIME INTERVAL : 5
HOLIDAY CODE : 10
HOLIDAY : 100

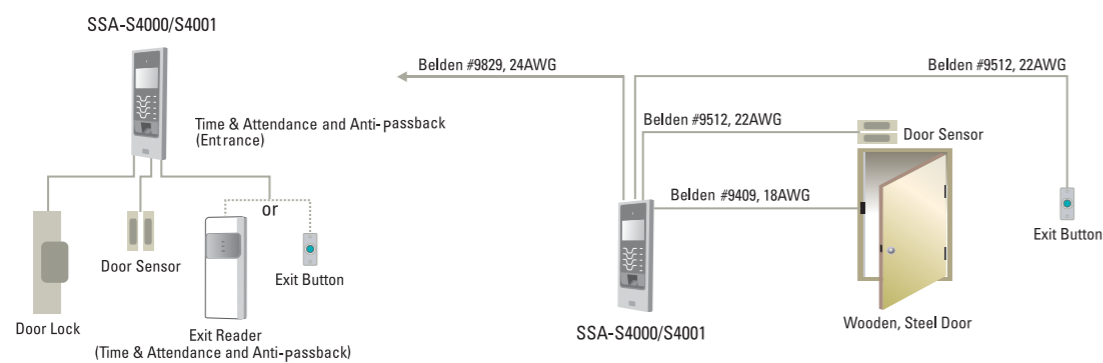
Fingerprint Module Specifications

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 (False Acceptance Ratio)	0.001%
FRR (False Reject Ratio)	0.1%
ESD (Electro Static Discharge)	15KV
Verification Time	Less than 1sec.
Identification Time	Less than 2sec.

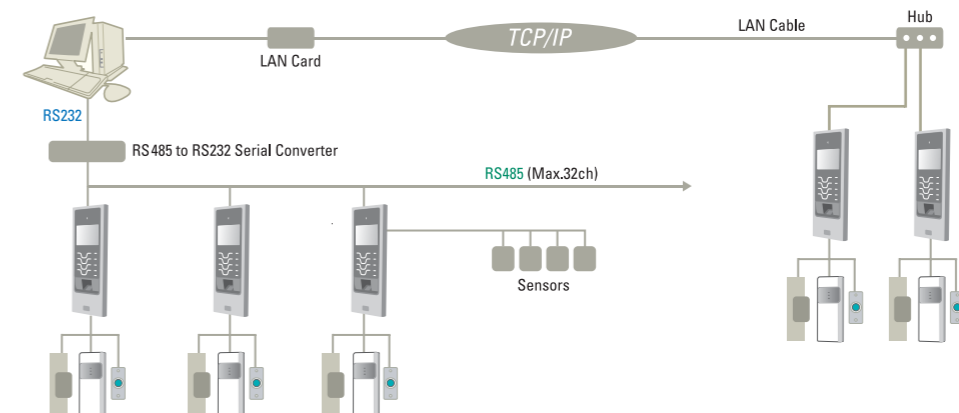
Specifications

Model	SSA-S4000	SSA-S4001
CPU	Dual Core 32bit ARM Processor(360MHz, 300MHz)	
Memory	System Memory	192MByte DDR RAM
	Data Memory	64MByte Flash Memory
	Media Storage	Micro SD 2GByte
User	Total Users	100,000 Users
	Fingerprint Users	Up to 25,000 Users (Up to 50,000 fingerprint templates storable)
Event Buffer	500,000 Event Buffers	
Power / Current	DC 12V(or PoE) / Max.700mA	
Reader Port	1ea (26bit Wiegand, 4 / 8bit Burst for PIN for Anti-Pass-Back)	1ea (34bit Wiegand, 4 / 8bit Burst for PIN for Anti-Pass-Back)
Frequency	125KHz	13.56MHz
Communication	RS232 / RS485, TCP/IP, Wireless(optional)	
Baud Rate	9,600bps / 19,200bps / 38,400bps / 57,600bps / 115,200bps (selectable)	
Input Port	4ea (Exit Button, Door Sensor, Aux#1, Aux#2)	
Output Port	2ea (2 FORM-C Relay Output (COM, NO, NC) / DC12V-18V, Rating Max.2A)	
	2ea (TTL Output / DC5V, Rating Max.20mA)	
	1ea (26bit Wiegand Out data 0, 1)	1ea (34bit Wiegand Out data 0, 1)
	1ea (NTSC/PAL Video Out for DVR)	
LED Indicator	3 LED Indicators (Red, Green and Yellow)	
Beeper	Piezo Buzzer	
Verification / Identification time	Less than 1sec. / Less than 2sec.	
USB Port	2ea (1.1Host / 2.0 Device)	
OS	Microsoft Windows CE 5.0	
Camera	CCD Color Camera (Total Pixel : 410K)	
Printer Port	Serial Port for Connecting Printer (Epson Printer recommended)	
LCD	TFT Color LCD (320 x 240)	
Keypad	16 key, Touch Keypad (4 Function Key included)	
LCD Display (Language)	English(Default), Korean, User (Selectable)	
Voice Output (Language)	English	
Operating Temperature	0°C ~ +50°C (-32°F ~ +122°F)	
Operating Humidity	10% ~ 90% relative humidity non-condensing	
Color / Material	Silver and Black / Polycarbonate	
Dimension (W x H x D)	104.0 x 290.0 x 51.8 mm	

Standalone Configuration



Network Configuration



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