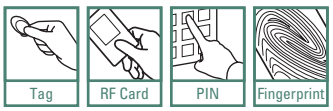
Fingerprint Stored Smart Card Reader Series

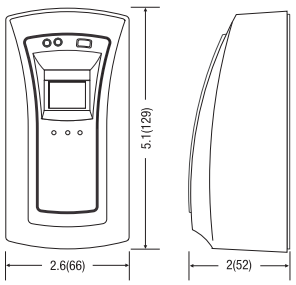
FGR006SRB
FINGER006SRB

FGR006SRB

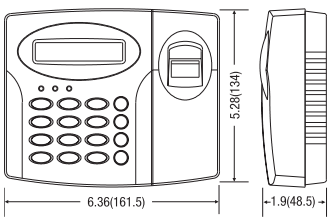


inch(mm)

FGR006SRB



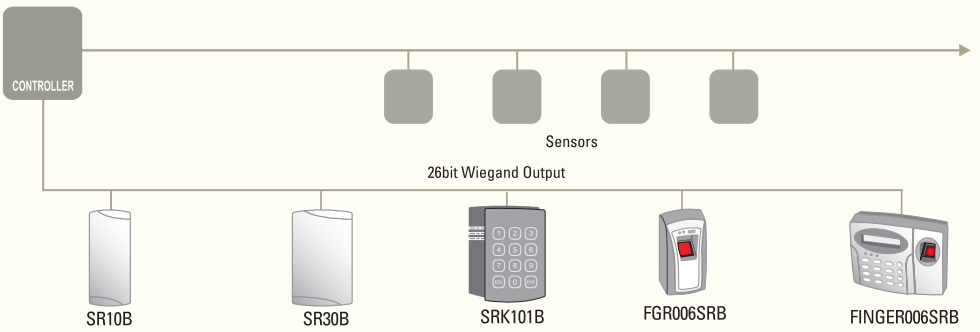
FINGER006SRB



KEY Features

- 1:1 Verification
- Fingerprint 13.56MHz [MIFARE] Smart Card Reader and Fingerprint Verification
- Read Portable Smart Card with stored Fingerprint Template programmed on PRG2000B
  -Able to store 2 Templates for enhanced performance (4K MIFARE Card Required)
- ID only Function for Fingerprint Unregistrable Person
  through Smart Card programmed by PRG2000B
- Unlimited Fingerprint Users storable
  (Depending on Number of Controller ID Users)
- Decode Encrypted Biometrics Data using Patented Encryption Algorithm
- Protected ID and Fingerprint Template Copy
- Support PRG2000B Programmer with ID & Fingerprint Template issuing Software
- 26bit Wiegand and RS232 (default), ABA Track II (optional) Output Format
- Network Communication via RS232, TCP/IP (External LAN Converter required)
- FINGER006SRB: Current Time Display on the LCD
- No need to manage Database or Templates
- Flexible Quality Solution to suit any Applications
- Secure Sign-on Facility
- Firmware Upgrade via S/W
- High Protection from Scratch and ESD (Electro Static Discharge)
- High Quality Optical Sensor
- Tamper Switch
- Mode Selection
  FGR006SRB: Card only / Card + Fingerprint
  FINGER006SRB: Card only / Card + P/W (4digit)
  Card + Fingerprint / Card + P/W (4digit) + Fingerprint
- Compatible Software: STARWATCH DUAL PRO I / II, iTDC PRO I / II
- Compatible Controller: iCON100, iTDC, Third Party Controller, FINGER007SRB
- Compatible Reader: SR10B, SR30B, SRK101B

FGR006SRB / FINGER006SRB Configuration



FINGER006SRB

ISC80

Fingerprint Module Specifications

Resolution	500dpi
Capture Image Size	356 x 292 pixels
Extraction Image Size	248 x 292 pixels
Sensing Area	12.7mm x 14.9mm
Scanner	High Quality Optical Sensor
FAR(False Acceptance Ratio)	0.001%
FRR(False Reject Ratio)	0.1%
ESD(Electro Static Discharge)	±10KV (indirect)
Verification Time	Less than 1sec.

Specifications

Model			FGR006SRB	FINGER006SRB
CPU			32bit ARM9 and 8bit Microprocessor	32bit ARM9 and Dual 8bit Microprocessor
Memory	Fingerprint Module	Program Memory	1MByte Flash ROM	
		Data Memory	8MByte SDRAM	
	Controller	Program Memory	128KByte ROM	256KByte ROM
		Data Memory	256KByte SRAM	32KByte SRAM
User			Unlimited Fingerprint Users	
Fingerprint Template Size			400Bytes for 1 Fingerprint Template on the Smart Card	
Frequency			13.56MHz [MIFARE]	
Read Range			ISK50 / IHC80 / IMC135: Up to 2 inch (5cm) ISC80: Up to 4 inch (10cm)	
Reading Time (Card)			500ms.	
Verification Time			Less than 1sec.	
Power / Current			DC 12V / Max.350mA	DC 12V / Max.300mA
Communication			RS232 (Max.255ch)	
			TCP / IP (External LAN Converter required)	
Baud Rate			9,600bps (default) / 4,800bps, 19,200bps and 38,400bps (selectable)	
Input Port			2ea :External LED Control, External Buzzer Control	2ea :Error-Input, OK-Input
Output Port			2ea (Error-Output, OK-Output (Open Collector Output))	
Output Format			26bit Wiegand, RS232 (default) / ABA Track II (optional)	
LCD			N/A	Character LCD (2 Lines x 16 Char) 2.62" x 0.55" (65.6mm x 13.8mm) Screen
Keypad			N/A	16 Key Numeric Keypad with Back Lighting
LED Indicator			3 Array LED Indicators (Red and Green)	3 Array LED Indicators (Red, Green and Yellow)
Beeper			Piezo Buzzer	
Operating Temperature	Fingerprint Module / LCD		-15° to +40° C (+5° to +104° F) / 0° to +50° C (+32° to +122° F)	
	Controller / RF Reader		-15° to +70° C (+5° to +158° F) / -35° to + 65° C (-31° to +149° F)	
Operating Humidity			10% to 90% relative humidity non-condensing	
Color			Pearl Dark Gray and Light Gray	Dark Pearl Gray
Material			Polycarbonate	
Dimension (W x H x T)			2.6" x 5.1" x 2.0" (66mm x 129mm x 52mm)	6.36" x 5.28" x 1.9" (161.5mm x 134mm x 48.5mm)
Weight			259.5g (0.57lbs)	547g (1.21lbs)
Certification			FCC, CE, MIC, RoHS	MIC, RoHS