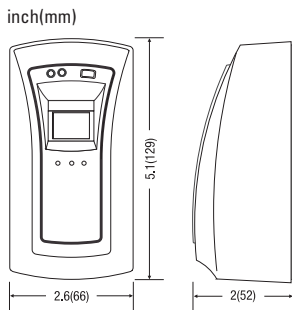


*Fingerprint Identification
Access Controller*

IP-FGR007A IP-FGR007HA



IP-FGR007A / IP-FGR007HA



KEY Features

Common

- 1:1 Verification and 1:N Identification
- Auto Touch sensor for fingerprint only identification
- 125KHz Proximity and Fingerprint Recognition
- ASK[EM] Format
- Operating Mode selectable by Individual ID (RF only / Fingerprint only / RF+Fingerprint)
- Upload/Download Fingerprint Templates using Notebook (optional, RS232C Stereo Jack required)
- Firmware Upgrade via S/W
- High Protection from Scratch and ESD (Electro Static Discharge)
- High Quality Optical Sensor
- Temper Switch

IP-FGR007A

- Dual Function for Access Control and Time & Attendance
- 1,000/2,000/4,000 Fingerprint Users (Optional) / 2,000 Event Buffers
- Fingerprint Registration via Master Card , STARWATCH DUAL PRO S/W I/II and ENROLLMENT PRO S/W
- Standalone /Network Communication via RS232/RS422/RS485(Max.32ch), TCP/IP (with External Converter) and Wireless
- Temper Alarm Output Setting via Software
- 1 External Reader Port of 26bit Wiegand for Anti-passback operation
- Independent 2 Inputs and 2ea of 2 Form-C Relay Outputs
- Software Selection : STARWATCH DUAL PRO I/II

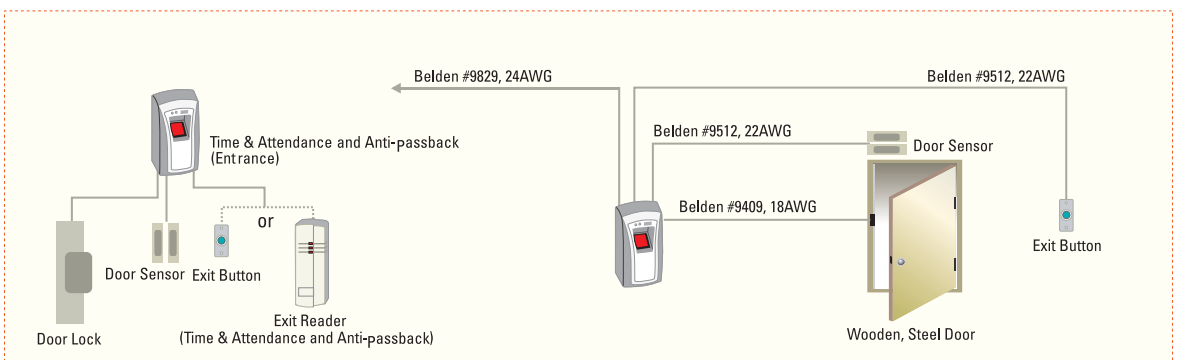
IP-FGR007HA

- 100 Fingerprint Users
- Fingerprint Registration via Master Card and ENROLLMENT PRO S/W
- 2 Form-C Relay Outputs for door lock and alarm device
- Software Selection : ENROLLMENT PRO

Time Capacities(FGR007A)

- Time Code : 10
- Time Interval : 5
- Holiday Code : 30
- Holiday : 32

Standalone Configuration





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)	15KV
Verification Time	Less than 1sec.
Identification Time	Less than 2sec.

Specifications

Model		IP-FGR007A	IP-FGR007HA
CPU		32bit ARM9 and Dual 8bit Microprocessor	
Memory Module	Fingerprint Module	Program Memory	128KByte ROM
		Data Memory	128KByte / 256KByte / 512KByte Flash Memory
	Controller	Program Memory	64KByte Flash Memory
		Data Memory	512KByte Flash Memory
Fingerprint User		1,000 / 2,000 / 4,000 Fingerprint Users	100 Fingerprint Users
Fingerprint Templates Size		800Bytes for 2 Fingerprint Templates	
Event Buffer		2,000 Event Buffers	N/A
Read Range	Passive Type	IPK50 : Up to 2 inch (5cm)	
		IPC80 / IPC170 : Up to 4 inch (10cm)	
Reading Time (Card)		30ms.	
Verification Time		Less than 1sec.	
Identification Time		Less than 2sec.	
Power / Current		DC 12V / Max.300mA	
External Reader Port		1ea (26bit Wiegand for PIN for Anti-passback)	
Communication		RS232 / RS422 / RS485 (Max.32ch)	RS232 (for Fingerprint Registration)
		TCP/IP (External LAN Converter required)	N/A
		Wireless (e.g. Bluetooth Module required)	
Baud Rate		9,600bps (default) / 4,800bps, 19,200bps and 38,400bps (selectable)	
Input Port		2ea (Exit Button, Door Sensor)	
Output Port		2ea (2 FORM-C Relay Output (COM, NO, NC) / DC12V~18V, Rating Max.2A)	
LED Indicator		3 Array LED Indicators (Red and Green)	
Beeper		Piezo Buzzer	
Operating Temperature	Fingerprint Module	-15° to +40° C (+5° to +104° F)	
	Controller	-15° to +70° C (+5° to +158° F)	
	RF Reader	-35° to +65° C (-31° to +149° F)	
Operating Humidity		10% to 90% relative humidity non-condensing	
Color / Material		Pearl Purple / Polycarbonate	
Dimension (W x H x T) / Weight		2.6" x 5.1" x 2.0" (66mm x 129mm x 52mm) / 259.5g (0.57lbs)	
Certification		FCC, CE, MIC, ROHS	

Network Configuration

