

# Fingerprint Identification (Proximity / PIN) Time & Attendance/ Access Controller

- FINGER007 : 125KHz (PSK Format/IDC Type) Proximity RF Card or PIN / Password / Fingerprint Recognition
- IP-FINGER007 : 125KHz (ASK [EM]Format) Proximity RF Card or PIN / Password / Fingerprint Recognition
- FINGER007SR : 13.56MHz (MIFARE, ISO14443 Type A Compatible) SMART Card or PIN / Password / Fingerprint Recognition
- FINGER007SRB : Fingerprint Stored 13.56MHz MIFARE SMART Card or PIN / Password / Fingerprint Recognition



## System Features

- Standalone Device with Internally Embedded Controller
- Standalone or Network Operation without Connection to the PC
- Automatic System Reset via Self-Diagnosis (Watchdog Function)
- Anti-Passback Function
- Duress Mode Function
- Alerts when Door Opening Time Exceeds and Forced Door Open
- Tamper Switch (2EA)
- Time Display on LCD
- 3-Status Input Check (On/Off/ Cut)
- Designed to Withstand ESD (Electro Static Discharge) Shock
- Firmware Upgrade via Remote Control
- Supports 26/34 Bit Wiegand Output Port(Usable to Reader)
- Compatible Software: STARWATCH STANDARD, TIME PRO, TIME BASIC, DUAL PRO I/II, iDWATCH VIEW PRO

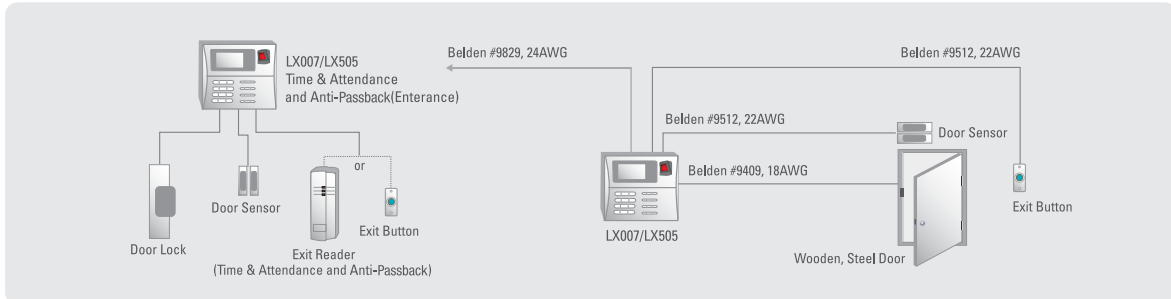
### \* FINGER007SRB

- Identifies Card that has been Issued by PRG2000B Card Programmer (ID and Fingerprint Template Encrypted into Smart Card)
- Maintains High Security as the Card cannot be Duplicated without Data Sector and Secure Key Information
- Protects User Privacy as Encrypted Fingerprint Information is Stored in User's Card (Fingerprint Information is not Stored in the Device or Database)

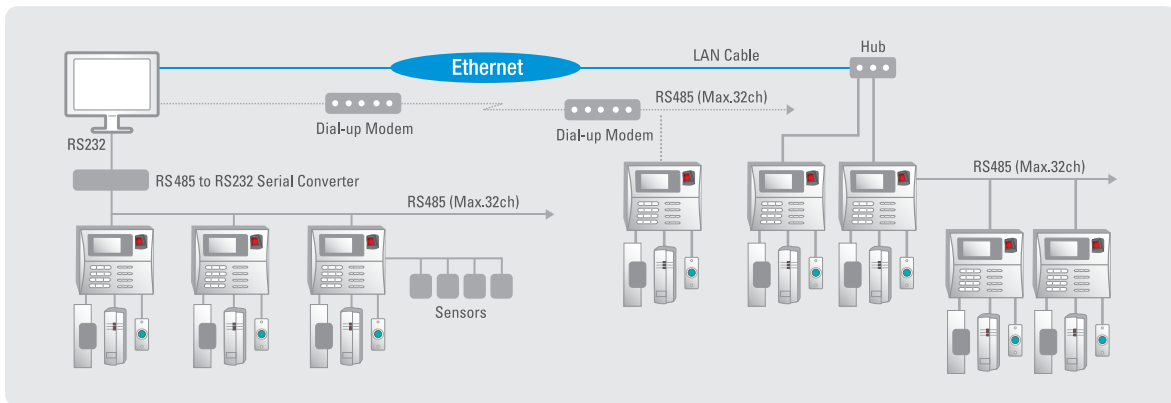
Model	FINGER007/IP-FINGER007	FINGER007SR	FINGER007SRB
CPU	32 Bit ARM9 and Dual 8 Bit Microprocessor		
Memory	Fingerprint Program	1MByte Flash Memory	
	Module Data	1M Byte / 2M Byte / 4M Byte Flash Memory	8M Byte SDRAM
	Controller	Program	128K Byte Flash Memory
Data		1M Byte Flash Memory	
Fingerprint Registration	1,000/ 2,000/ 4,000		10,000 ~ 50,000
User IDs / Event Buffers	10,000 ~ 50,000 Users(Including Fingerprint Registration) / 10,000 ~ 50,000 Events		
Fingerprint Template Size	800 Byte for Two Fingerprint		400 Byte for One Fingerprint
Reading Range	FINGER007:DC80/IDC170:Up to 10cm	IHC80 : Up to 5cm	
	IP- FINGER007: IPC80/IPC170 : Up to 10cm	ISC80 : Up to 10cm	
Card Reading Time	30ms		
1:1 Verification/1:N Identification Time(Fingerprint)	Less than 1 Sec. / Less than 2 Sec.		
Power / Current	DC12V / Max 300mA		
External Reader Port	1 EA:26bit Wiegand 4/8 Bit Burst for PIN for Anti-Passback	1 EA:34 Bit Wiegand 4/8 Bit Burst for PIN for Anti-Passback	1 EA:26Bit Wiegand 4/8 Bit Burst for PIN for Anti-Passback
	Communication		
Communication	RS232/RS485(Max. 32ch), Ethernet(Internal Module or External Converter Required/Optional)		
Communication	Serial	9,600 bps(Default) / 19,200 bps / 38,400 bps / 57,600 bps / 115,200 bps(Selectable)	
Speed	Ethernet	10/100Mbps	
Input Port	4 EA : Exit Button, Door Sensor, AUX #1, AUX #2,		
Output Port	2 EA : 2 FORM-C Relay Output (COM, NO, NC) / DC 12V ~ 18V, Rating Max. 2A		
	2 EA:TTL Output/DC5V, Rating Max. 20mA		
LED Display / Buzzer	Can be used in 26 Bit Wiegand, using the 2 TTL Outputs	Can be used in 34 Bit Wiegand, using the 2 TTL Outputs	Can be used in 26 Bit Wiegand, using the 2 TTL Outputs
	7 LED Indicators / Piezo Buzzer		
	LCD		
Key pad	Character LCD (2 Lines x 16 Char) / 65.6 x 13.8 mm (2.62" x 0.55") Screen		
Operating Temperature	Fingerprint Module LCD	-15° ~ + 40° C / 0° ~ + 50° C	
	Controller/RF Reader	-15° ~ + 70° C / -35° ~ + 65° C	
Operating Humidity/Color/Material	10% ~ 90% Relative Humidity Non-Condensing / Dark Pearl Gary / Polycarbonate		
Dimension (W x H x T) / Weight	161.5 x 134 x 48.5mm / 525g		
Certification	FCC, CE, KCC, RoHS		
<b>Fingerprint Module Specification</b>			
Resolution/Capture Image Size/Extract Image Size	500dpi / 640 x 480 pixels / 260 x 300 pixels		
Sensor Area / Scanner	15 x 18.5mm / High Quality Optical Sensor		
FAR(False Acceptance Ratio)FRR(False Reject Ratio)/ESD Tolerance	0.001% / 0.1% / ±8 KV		
<b>Time Schedule</b>			
Time Code	10	Holiday Code	10
Time Interval	5	Holiday	100

## LX007/LX505 Series

- Standalone Configuration

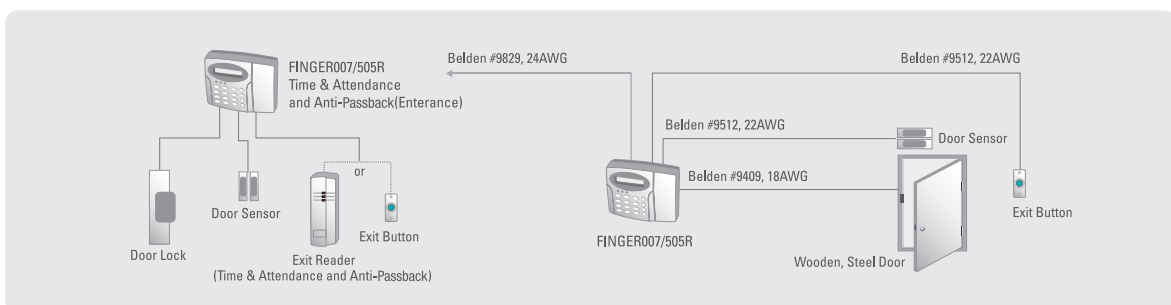


- Network Configuration



## FINGER007/505R Series

- Standalone Configuration



- Network Configuration

