

IDTECK 13.56MHz Secure and Credential Fingerprint Identification (Fingerprint/RFID/PIN) Time & Attendance / Access Controller



- Reads the Smart Card that encoded Fingerprint and ID
- Standalone Operation without PC / Server Connection
- Able to Scan Fingerprint from Any Angle
- Fake Fingerprint Detection : Auto on Function & LIVE Fingerprint Detection
- Communication : TCP/IP, RS485, RS422, RS232
- Protect against Security & Privacy Attack



FINGER007SRBT FINGER007SRB

**Security is Maximized
as the Fingerprint is Stored
on the Smart Card,
Not in Fingerprint Reader**



Fingerprint
Recognition



RFID Reader
& Card



Access
Controller

IDTECK
Your Security Partner
SINCE 1989

IDTECK 13.56MHz Secure and Credential Fingerprint Identification (Fingerprint/RFID/PIN) Time & Attendance / Access Controller FINGER007SRBT / FINGER007SRB



Key Features

- IDTECK 13.56MHz Secure and Credential Smart Card & Fingerprint
 - Reads the Smart Card that encoded Fingerprint and ID
 - Standalone Device with Internally Embedded Controller
 - Standalone Operation without PC/Server Connection
 - Fingerprint Identification without using any cards or keypads
 - 4 Function Keys for Time & Attendance Applications
 - Communication
 - FINGER007SRBT : TCP/IP, RS422,RS485,RS232
 - FINGER007SRB : RS422,RS485,RS232
 - User / Event Buffers Up to 50,000 Users / Up to 50,000 Events
 - Able to Scan Fingerprint from Any Angle
 - Fake Fingerprint Detection : Auto on Function & LIVE Fingerprint Detection
 - Automatic System Reset via Self-Diagnosis (Watchdog Function)
 - Verify ID without Centralized Database
 - The advantage of using Smart card for Fingerprint Authentication is that the Fingerprint information of the user is stored in the Smart card
 - Store your Fingerprint on your Smart Card
 - The identity can be verified without relying on a centralized storage of user database
 - Protect against Security & Privacy Attack
 - As the user carries with user fingerprint information stored Smart card, this solves the problem of maintaining and synchronizing a central database, Scaling the system with increasing number of users and the need to protect the database and server from security attack as well as privacy concerns on the use of the biometric information
 - Privacy Protection
 - Security is Maximized as the Fingerprint is Stored in the Smart Card, not in the Device or Database Unlimited Fingerprint Users Registration
 - High Security Level
 - The personal biometric data is stored inside the personal Smart card, which eliminates all possibility of personal data being exposed to the public and need for management of separate database or templates
 - Output Format : 26 Bit Wiegand
 - Operation Mode : Smart Card(PIN)+Fingerprint, Smart Card(PIN), Smart Card(PIN)+Password+Fingerprint
 - Compatible Software : IDTECK Standard Series, IDTECK Time Pro
 - Compatible Smart Card : ISC80B, ISK50B, IMC135B
 - Compatible RFID Readers: SR10BE, SR30B, SRK101B, SR10VB, SR30VB, SRK101VB
 - Standalone Controller (Fingerprint/ RFID) : XO100SRB, FINGER007SRBT, FINGER007SRB, SR505BT, SR505B
 - Compatible Fingerprint Reader : LX006SRB, FINGER006SRBT, FINGER006SRB, FGR006SRB
- * SRB products developed and manufactured by IDTECK are only compatible with SRB Series products



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Specifications

Model	FINGER007SRBT		FINGER007SRB	
CPU	32 Bit ARM9 and Dual 8 Bit Microprocessor			
Memory	Program	128K Byte Flash Memory		
	Data	1M Byte Flash Memory		
Fingerprint User	Unlimited (Fingerprint Template and User ID are stored on Smart Card not Fingerprint Reader)			
ID User	Up to 50,000 Users (Including Fingerprint Registration)			
Event Buffer	Up to 50,000 Events			
Radio Frequency (RF)	13.56MHz			
Read Range (Compatible Card Type)	ISC80B : Up to 4 Inch (10cm)	ISK50B / IMC135B : Up to 2 Inch (5cm)		
Reading Time (Card)	30ms			
Verification Time	Less than 1 sec.			
Identification Time	Less than 2 sec.			
Fake Fingerprint Detection	Auto on Function & LIVE Fingerprint Detection			
Power / Current	DC 12V / Max. 300mA			
External Reader Port	1 EA : 26bit Wiegand (for Anti-Passback) 4/8bit Burst for PIN			
Communication	TCP/IP, RS485, RS422, RS232 (Max. 32ch)		RS485, RS422, RS232 (Max. 32ch)	
Communication Speed	TCP/IP	10/100 Mbps		
	Serial	9,600bps (Default) / 19,200bps / 38,400bps / 57,600bps / 115,200bps (Selectable)		
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			
	Can be used in 26 Bit Wiegand, using the 2TTL Outputs			
Tamper Switch	2 EA			
LED Indicator / Beeper	7 LED Indicators / Piezo Buzzer			
LCD	Character LCD (2 Lines x 16 Char) 65.6 x 13.8 mm (2.62"x 0.55") Screen			
Keypad	16 Numeric Keypad with Back Lightings / Membrane			
Operating Temperature	Fingerprint Module: -15°C ~ +40°C (5°F ~ 104°F)			
	LCD: 0°C ~ +50°C (+32°F ~ +122°F)			
	Controller: -15°C ~ +70°C (+5°F ~ +158°F)			
	RF Reader: -35°C ~ +65°C (-31°F ~ +149°F)			
Operating Humidity	10% ~ 90% Relative Humidity, Non - Condensing			
Color / Material	Dark Pearl Gary / Polycarbonate			
Dimension (W x H x T) / Weight	161.5mm x 134mm x 48.5mm / 547g (1.21lbs)			
Certification	FCC, CE, KCC, RoHs			

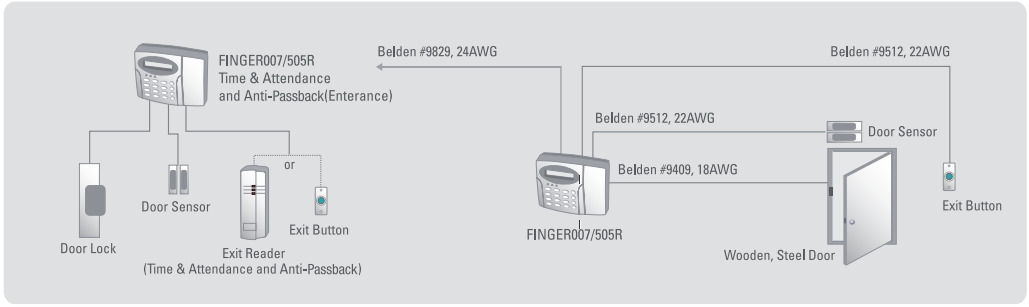
Fingerprint Module Specification

Sensing Type	High Quality Optical Sensing	FRR	0.1%
Sensing Area	13.2 x 15.2 mm	FAR	0.001%
Image Resolution	500 DPI		
Image Size	248 * 292 pixels		

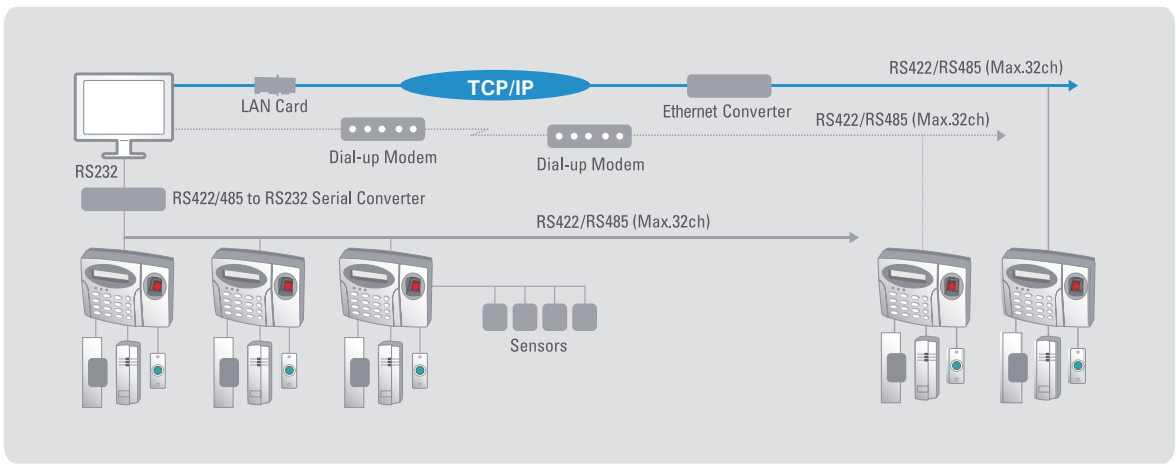
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Standalone Configuration



Network Configuration



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