IDTECK 13.56MHz Secure and Credential Time & Attendance / Access Controller

- Reads the Smart Card that encoded Fingerprint and ID
- Standalone Operation without PC / Server Connection
- Communication : TCP/IP, RS485, RS422, RS232
- User / Event Buffers Up to 50,000 Users / Up to 50,000 Events
- Protect against Security & Privacy Attack

SR505BT
SR505B

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

RFID Reader
& Card

Access
Controller

IDTECK
Your Security Partner
SINCE 1989

IDTECK 13.56MHz Secure and Credential Time & Attendance / Access Controller
SR505BT / SR505B

Key Features

- IDTECK 13.56MHz Secure and Credential Smart Card & Fingerprint
  - Reads the Smart Card that encoded Fingerprint and ID
- Professional Time & Attendance / Access Controller
- Standalone Device with Internally Embedded Controller
- Standalone Operation without PC/Server Connection
- 4 Function Keys for Time & Attendance Applications
- Communication
  - SR505BT : TCP/IP, RS422,RS485,RS232
  - SR505B : RS422,RS485,RS232
- User / Event Buffers Up to 50,000 Users / Up to 50,000 Events
- 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 maintainining
  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 Fingerprnt 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), Smart Card(PIN)+Password
- 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, FINGER006SRB, FGR006SRB
- * SRB products developed and manufactured by IDTECK are only compatible with SRB Series products

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Specifications

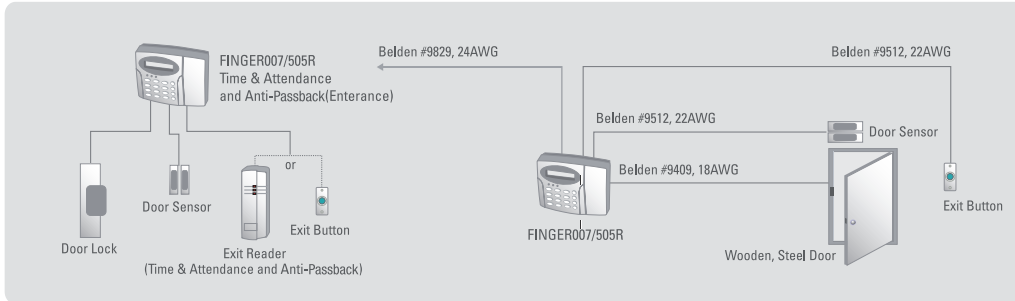| Model		SR505BT	SR505B
CPU		32 Bit ARM9 and Dual 8 Bit Microprocessor	
Memory	Program	128K Byte Flash Memory	
	Data	1M Byte Flash Memory	
ID User		Up to 50,000 Users	
Event Buffer		Up to 50,000 Events	
Radio Frequency (RF)		13.56MHz	
Read Range (Compatible Card Type)		ISC80B : Up to 4 Inch (10cm) ISK50B / IMC135B : Up to 2 Inch (5cm)	
Reading Time (Card)		30ms	
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		7 LED Indicators	
LCD		Character LCD (2 Lines x 16 Char) 65.6 x 13.8mm (2.62" x 0.55") Screen	
Buzzer		Piezo Buzzer	
Keypad		16 Numeric Keypad with Back Lightings	
Operating Temperature		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 Gray / Polycarbonate	
Dimension (W x H x T) / Weight		161.5 x 134 x 48.5mm (6.4" x 5.3" x 1.9") / 525g (1.2 lbs)	
Certification		FCC, CE, KCC, RoHs	

Time Schedule

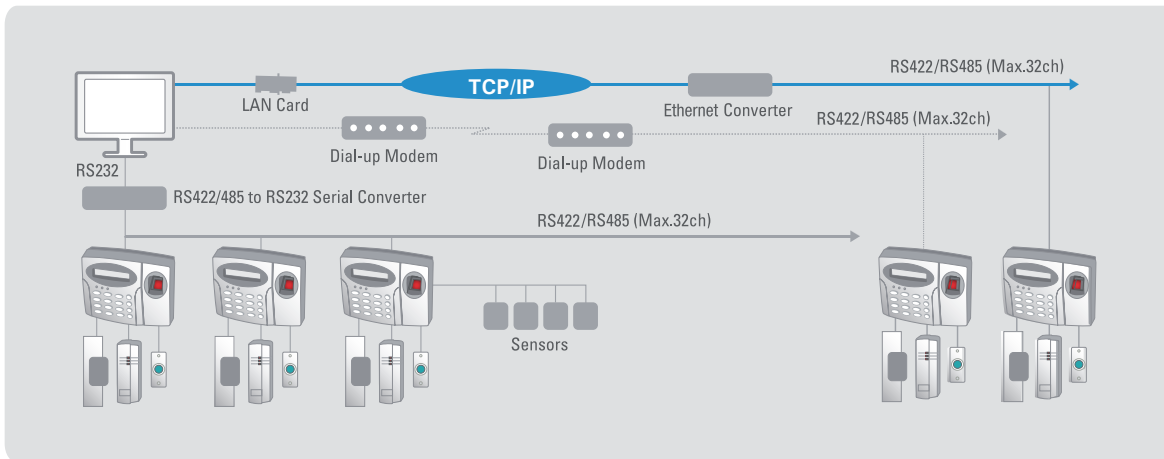| Time Code	10	Holiday Code	10
Time Interval	5	Holiday	32

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SR505BT / SR505B

Standalone Configuration

FINGER007/505R
Time & Attendance
and Anti-Passback(Enterance)

Belden #9829, 24AWG

Belden #9512, 22AWG

Belden #9512, 22AWG

Door Sensor

Belden #9409, 18AWG

or

Door Sensor

Exit Button

Door Lock

Exit Reader
(Time & Attendance and Anti-Passback)

FINGER007/505R

Exit Button

Wooden, Steel Door

Network Configuration

RS422/RS485 (Max.32ch)

LAN Card

TCP/IP

Ethernet Converter

RS422/RS485 (Max.32ch)

RS232

Dial-up Modem

Dial-up Modem

RS422/485 to RS232 Serial Converter

RS422/RS485 (Max.32ch)

Sensors

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