



IDTECK Co., Ltd.

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Architect & Engineer Specification

FINGER006SRB Fingerprint Stored Smartcard Reader

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1 Introduction

The intent of this document is to describe the specification of FINGER006SRB Fingerprint Stored Smartcard reader manufactured by IDTECK Co., Ltd. All the information is provided in detail for system architect and engineers designing access control system.

2 Description

The FINGER006SRB Fingerprint Stored Smartcard reader shall provide total control of access control for single door using smart card that shall contain user's fingerprint. With built-in optical fingerprint reader and 13.56MHz Smart Card[Mifare] reader, it shall dynamically control unlimited Fingerprints user.

3 Mechanical Specification

- 3.1 The FINGER006SRB biometric reader shall measure 6.36" x 5.28" x 1.9" (161.5 x 134 x 48.5mm). FINGER006SRB shall arrive disassembled and contains following;
 - 3.1.1 A wall mounting plate
 - 3.1.2 The body that mounts to the wall mounting plate
- 3.2 The FINGER006SRB shall have a dark pearl gray body
- 3.3 The FINGER006SRB shall weight 547g (Packaged weight for shipping shall be 700g)

4 Electrical Specification

- 4.1 The FINGER006SRB shall contain 32bit ARM9 and Dual 8bit Microprocessor
- 4.2 The FINGER006SRB shall contain memory as following.
 - 4.2.1 Program memory of 8KByte ROM
 - 4.2.2 Data memory of 128KByte Flash memory
- 4.3 The FINGER006SRB shall contain LCD which includes 1 x Character LCD Module, 2 line x 16ch, 65.6mm x 13.8mm.
- 4.4 The FINGER006SRB shall have a 16 key numeric Keypad with back light.
- 4.5 The FINGER006SRB shall indicate its status through red, green, yellow LEDs.
- 4.6 The FINGER006SRB shall have piezo buzzer for the beeper.
- 4.7 Dual temper switch shall be built in to the FINGER006SRB to provide safe operation.
- 4.8 The FINGER006SRB fingerprint smartcard reader shall operate on 12V. Max 300mA.

5 Fingerprint reader Specification

- 5.1 The FINGER006SRB shall include built in optical fingerprint module.
- 5.2 Fingerprint template size shall be 400bytes with less than 1 sec of verification time.
- 5.3 Fingerprint date for FINGER006SRB shall be encrypted using patented encryption algorithm.

6 RFID reader Specification

- 6.1 The FINGER006SRB shall include built-in 13.56MHz Smart Card[Myfare] reader.
- 6.2 The FINGER006SRB shall provide 1 external reader port for anti-pass back function.
- 6.3 The FINGER006SRB shall accept ISO 14443 Type A Mifare card which has fingerprint embedded by IDTECK PRG2000B

7 Communication Specification

- 7.1 The FINGER006SRB shall support 26 bit Wiegand output to access controller.
- 7.2 The FINGER006SRB shall provide RS422, RS232 and optional TCP/IP communication.
- 7.3 The FINGER006SRB shall support baud rate of 4800bps, 9600bps(default), 19200bps, and 38400bps software programmable.



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8 Environmental Specification

8.1 Operating Temperature

8.1.1 The FINGER006SRB shall operate temperature between 0 ° C ~ +50 ° C.

8.2 Operating Humidity

8.2.1 The FINGER006SRB shall operate humidity between 10% ~ 90% RH(Non-condensing)

9 Certification and Approvals

9.1 The FINGER006SRB shall have following certification

9.1.1 FCC certification

9.1.2 UL certification

9.1.3 CE certification

9.1.4 MIC certification

Technical Support Contact Information:

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