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Architect & Engineer Specification

FINGER006P Fingerprint & PIN Reader

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1 Introduction

The intent of this document is to describe the specification of FINGER006P Fingerprint & PIN Reader manufactured by IDTECK Co., Ltd. All the information is provided in detail for system architect and engineers designing access control system.

2 Description

FINGER006P Fingerprint & PIN Reader shall provide easy and versatile solution to access control. Armed with 1:n identification within 2 second, it shall dynamically control up to 4,000 fingerprints. FINGER006P shall provide easy connection to controllers with standard 26bit wiegand communication. Combined with iTDC or iCON100 controller, the FINGER006P shall provide easy yet secure access control solution.

3 Mechanical Specification

- 3.1 The FINGER006P biometric reader shall measure 6.36" x 5.28" x 1.9" (161.5 x 134 x 48.5mm). FINGER006P 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 FINGER006P shall have a dark pearl gray body
- 3.3 The FINGER006P shall weight 547g (Packaged weight for shipping shall be 700g)

4 Electrical Specification

- 4.1 The FINGER006P shall contain 32bit ARM9 and Dual 8bit Microprocessor
- 4.2 The FINGER006P shall contain memory as following.
 - 4.2.1 Finger Module shall have following memory
 - 4.2.1.1 Program memory of 128KByte Flash memory
 - 4.2.1.2 Data memory of 128KByte/256KByte/512KByte Flash memory
 - 4.2.2 Controller part of FINGER006P shall have following memory
 - 4.2.2.1 Program memory of 64KByte ROM.
 - 4.2.2.2 Data memory of 512KByte SRAM.
- 4.3 The FINGER006P shall contain LCD which includes 1 x Character LCD Module, 2 line x 16ch, 65.6mm x 13.8mm.
- 4.4 The FINGER006P shall have a 16 key numeric Keypad with back light.
- 4.5 The FINGER006P shall indicate its status through red, green, yellow LEDs.
- 4.6 The FINGER006P shall have piezo buzzer for the beeper.
- 4.7 Dual temper switch shall be built in to the FINGER006P to provide safe operation.
- 4.8 The FINGER006P standalone proximity reader shall operate on 12V. Max 350mA.

5 Fingerprint reader Specification

- 5.1 The FINGER006P shall include built in optical fingerprint module.
- 5.2 1,000/2,000/4,000 Fingerprint templates shall be stored as dual finger templates.
- 5.3 Dual fingerprint template size shall be 800Kbytes.
- 5.4 The FINGER006P shall provide 1:n identification up to 4000 users.
- 5.5 Optional touch sensor shall be available with FINGER006P to provide easy identification.

6 Communication Specification

- 6.1 External reader port included in FINGER006P shall supports 24 bit Wiegand communication.
- 6.2 The FINGER006P shall provide RS422, RS232 and optional TCP/IP communication.
- 6.3 The FINGER006P shall support baud rate of 4800bps, 9600bps(default), 19200bps, and 38400bps software programmable.



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7 Environmental Specification

7.1 Operating Temperature

7.1.1 The FINGER006P shall operate temperature between 0 ° C ~ +50 ° C.

7.2 Operating Humidity

7.2.1 The FINGER006P shall operate humidity between 10% ~ 90% RH(Non-condensing)

8 Certification and Approvals

8.1 The FINGER006P shall have following certification

8.1.1 FCC certification

8.1.2 UL certification

8.1.3 CE certification

8.1.4 MIC certification

Technical Support Contact Information:

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