



IDTECK Co., Ltd.

5F Ace Techno Tower B/D, 684-1, Deungchon-Dong, Gangseo-Gu, Seoul, 157-030, Korea
Tel : 82-2-2659-0055 Fax : 82-2-2659-0086 www.idteck.com webmaster@idteck.com



Architect & Engineer Specification

SR505 Standalone Smart Card Access Controller

October 4, 2005

1 Introduction

The intent of this document is to describe the specification of SR505 standalone smart card access controller manufactured by IDTECK Co., Ltd. All the information is provided in detail for system architect and engineers designing access control system.

2 Description

The SR505 standalone proximity access controller shall provide total control of access control for single door. With built-in 13.56MHz smart card reader, it shall dynamically control up to 10,000 users / 7,250 Events. Anti-pass back operation shall be supported through external reader port. Combined with Starwatch Dual Pro software, the SR505 shall provide easy yet secure access control solution.

3 Mechanical Specification

- 3.1 The SR505 proximity reader shall measure 5.9" x 4.72" x 1.55" (150 x 120 x 39.5mm). SR505 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 SR505 shall have a dark pearl gray body
- 3.3 The SR505 shall weight 397g (Packaged weight for shipping shall be 600g)

4 Electrical Specification

- 4.1 The SR505 shall contain Dual 8bit Microprocessor
- 4.2 The SR505 shall contain memory as following.
 - 4.2.1 Program memory of 64KByte ROM.
 - 4.2.2 Data memory of 128KByte RAM.
- 4.3 The SR505 shall contain LCD which includes 1 x Character LCD Module, 2 line x 16ch, 65.6mm x 13.8mm.
- 4.4 The SR505 shall have a 16 key numeric Keypad with back light.
- 4.5 The SR505 shall indicate its status through red, green, yellow LEDs.
- 4.6 The SR505 shall include piezo buzzer for alarm purpose.
- 4.7 The SR505 standalone smart card reader shall operate on 12V. Max 350mA.

5 RFID reader Specification

- 5.1 The SR505 shall include built-in 13.56MHz Mifare smart card reader.
- 5.2 The SR505 shall provide 1 external reader port for anti-pass back
- 5.3 Reading Range of SR505 shall be 4" (10cm) using ISO14443 type A smart card(ISC80).

6 Communication Specification

- 6.1 External reader port included in SR505 shall supports 34 bit Wiegand communication.
- 6.2 The SR505 shall provide RS422, RS232 and optional TCP/IP communication.
- 6.3 The SR505 shall support baud rate of 4800bps, 9600bps(default), 19200bps, and 38400bps software programmable.
- 6.4 Input and Output as following shall be provided by the 505R.
 - 6.4.1 The SR505 shall have 4 input ports (isolation).
 - 6.4.2 The SR505 shall have 4 output ports as following, 2 form-C relay (Com, NO, NC) Rating 2A, 2EA TTL.



IDTECK Co., Ltd.

5F Ace Techno Tower B/D, 684-1, Deungchon-Dong, Gangseo-Gu, Seoul, 157-030, Korea
Tel : 82-2-2659-0055 Fax : 82-2-2659-0086 www.idteck.com webmaster@idteck.com



7 Environmental Specification

7.1 Operating Temperature

7.1.1 The SR505 shall operate temperature between 0 ° C ~ +50 ° C.

7.2 Operating Humidity

7.2.1 The SR505 shall operate humidity between 10% ~ 90% RH(Non-condensing)

8 Certification and Approvals

8.1 The SR505 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:

IDTECK

5F, Ace Techno Tower B/D, 684-1 Deungchon-Dong

Gangseo-Gu, Seoul, 157-030

Republic of Korea

Hours: 0900 ~ 1900

Tel: 82-2-2659-0055

Fax: 82-2-2659-0086

E-mail: webmaster@idteck.com

Web: www.idteck.com

Disclaimer

The information in the document has been carefully checked and reliable. IDTECK reserves the right to modify and revise the document without any notice. IDTECK holds no reliability for in accuracies in the document. If you discover any discrepancy in this document please contact us via email listed above or phone.