



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

SRK101 Keypad & Smart Card Reader

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1 Introduction

The intent of this document is to describe the specification of SRK101 Keypad & Smart Card 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 SRK101 Keypad & Smart Card Reader shall provide various applications with one card solution for in and out door use even in harsh environment. SRK101 shall have built in 12 key numeric keypad. Combined with Starwatch Dual or iTDC Pro software, the SRK101 shall provide easy yet secure access control solution.

3 Mechanical Specification

- 3.1 The SRK101 Keypad & Smart Card Reader shall measure 3.4" x 3.94" x 1.22" (87 x 100 x 31mm).
- 3.2 The SRK101 shall have a dark pearl gray body
- 3.3 The SRK101 shall weight 190g (Packaged weight for shipping shall be 250g)

4 Electrical Specification

- 4.1 The SRK101 Keypad & Smart Card Reader shall indicate its status through red, yellow and green, 3LED and buzzer.
- 4.2 The SRK101 shall operate on 12V. Max 150mA.
- 4.3 The SRK101 shall have 13.56MHz frequency.

5 RFID reader Specification

- 5.1 Reading Range of the SRK101 shall be 4"(10cm) with ISO14443 Type A Mifare smart card(ISC80)

6 Communication Specification

- 6.1 The SRK101 shall provide 26/34 bit Wiegand, RS232 and ABA Track II magnetic stripe format and 4/8bit burst or 3x4 matrix output.

7 Environmental Specification

- 7.1 Operating Temperature
 - 7.1.1 The SRK101 shall operate temperature between -35 ° C ~ +65 ° C.
- 7.2 Operating Humidity
 - 7.2.1 The SRK101 shall operate humidity between 10% ~ 90% RH(Non-condensing)

8 Certification and Approvals

- 8.1 The SRK101 shall have following certification
 - 8.1.1 FCC certification
 - 8.1.2 UL certification
 - 8.1.3 CE certification
 - 8.1.4 MIC certification



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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

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