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Architect & Engineer Specification

SR10 Smart Card Reader

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1 Introduction

The intent of this document is to describe the specification of SR10 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 SR10 Smart Card Reader shall provide various applications with one card solution for in and out door use even in harsh environment. The SR10 shall be successfully installed on metal door frame and mullion. Combined with Starwatch Dual or iTDC Pro software, the SR10 shall provide easy yet secure access control solution.

3 Mechanical Specification

- 3.1 The SR10 Smart Card Reader shall measure 1.82" x 4.81" x 0.87" (46 x 122 x 23mm).
- 3.2 The SR10 shall have a dark pearl gray body
- 3.3 The SR10 shall weight 160g (Packaged weight for shipping shall be 200g)

4 Electrical Specification

- 4.1 The SR10 shall contain 8bit Microprocessor
- 4.1 The SR10 Smart Card Reader shall indicate its status through 4 Array LED and buzzer.
- 4.2 The SR10 shall operate on 12V. Max 180mA.
- 4.3 The SR10 shall have 13.56MHz frequency.

5 RFID reader Specification

- 5.1 Reading Range of the SR10 shall be 4"(10cm) using ISO14443 type A Mifare Card(ISC80).

6 Communication Specification

- 6.1 The SR10 shall provide 26/34bit Wiegand and optional RS232 and ABA Track II magnetic stripe output format

7 Environmental Specification

- 7.1 Operating Temperature
 - 7.1.1 The SR10 shall operate temperature between -35 ° C ~ +65 ° C.
- 7.2 Operating Humidity
 - 7.2.1 The SR10 shall operate humidity between 10% ~ 90% RH(Non-condensing)
- 7.3 The SR10 shall be 100% weather proof.

8 Certification and Approvals

- 8.1 The SR10 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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