



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

IP10 ASK Format Proximity Card Reader

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1 Introduction

The intent of this document is to describe the specification of IP10 ASK Format Proximity 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 IP10 ASK Format Proximity Card Reader shall provide various applications with one card solution for in and out door use even in harsh environment. The IP10 shall be successfully installed on metal door frame. Combined with Starwatch Dual or iTDC Pro software, the IP10 shall provide easy yet secure access control solution.

3 Mechanical Specification

- 3.1 The IP10 ASK Format Proximity Card Reader shall measure 1.77" x 4.63" x 0.81" (45 x 117.5 x 20.5mm).
- 3.2 The IP10 shall have a dark pearl gray body
- 3.3 The IP10 shall weight 160g (Packaged weight for shipping shall be 200g)

4 Electrical Specification

- 4.1 The IP10 ASK Format Proximity Card Reader shall indicate its status through red and green LED and buzzer.
- 4.2 The IP10 shall operate on 12V. Max 150mA.
- 4.3 The IP10 shall have 125KHz frequency.

5 RFID reader Specification

- 5.1 Reading range of the IP10 shall vary depending on the types of the card that are used. The IP10 shall accept following proximity cards with stated reading range.
 - 5.1.1 Passive cards those are stated below shall operate with the IP10 and shall have declared reading range.
 - 5.1.1.1 IPC 80 card (ISO credit card size and thickness) shall have 4inch (10 Cm) reading range.
 - 5.1.1.2 IPC 170 card (clamshell card) shall have 4 inch (10 Cm) reading range.
- 5.2 The IP10 shall have ASK modulation.
- 5.3 The IP10 shall have Reverse power polarity protection

6 Communication Specification

- 6.1 The IP10 shall provide 26bit Wiegand and optional RS232 and ABA Track II magnetic stripe format

7 Environmental Specification

- 7.1 Operating Temperature
 - 7.1.1 The IP10 shall operate temperature between -35 ° C ~ +65 ° C.
- 7.2 Operating Humidity
 - 7.2.1 The IP10 shall operate humidity between 10% ~ 90% RH(Non-condensing)
- 7.3 The IP10 shall be 100% weather proof.



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8 Certification and Approvals

8.1 The IP10 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

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