



**IDTECK Co., Ltd.**

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## *Architect & Engineer Specification*

# **iCON100SR Smart Card Access Control Panel**

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### **1 Introduction**

The intent of this document is to describe the specification of iCON100SR Smart Card access control panel manufactured by IDTECK Co., Ltd. All the information is provided in detail for system architect and engineers designing access control system.

### **2 Description**

The iCON100SR smart card access control panel shall provide total control of access control for single door. It shall dynamically control up to 500~10,000 User ID numbers, and it can keep 2,500~7,250 events in its memory. It shall have optional Keypad and LCD Display module that can be used to setup functions manually and programming inputs and outputs. It shall have all event transaction reports can be downloaded /uploaded from/to the host computer with software supporting a variety of reporting formats. Combined with Starwatch Dual Pro software, the iCON100SR shall provide easy yet secure access control solution.

### **3 Mechanical Specification**

- 3.1 The iCON100SR smart card access control panel shall measure 5.4"x 5.4"x 0.72" (137 x 137 x 18mm). iCON100SR package shall arrive assembled optionally contains following;
  - 3.1.1 A nema case
  - 3.1.2 A power board with battery.
  - 3.1.3 LCD and Keypad for standalone operation and manual setting.
- 3.2 The iCON100SR shall weight 170g and packaged weight for shipping shall be 200g)

### **4 Electrical Specification**

- 4.1 The iCON100SR shall contain Dual 8bit Microprocessor
- 4.2 The iCON100SR shall contain memory as following.
  - 4.2.1 Program memory of 64KByte ROM.
  - 4.2.2 Data memory of 128KByte RAM.
- 4.3 The iCON100SR shall have a 12 key numeric Keypad with back light.
- 4.4 The iCON100SR shall indicate its status through red, green and yellow 5 LEDs.
- 4.5 The iCON100SR shall operate on 12V. Max 350mA.

### **5 Control Panel Specification**

- 5.1 The iCON100SR shall provide 2 external reader ports.
- 5.2 The iCON100SR shall remain ID& event data and setting value in case of electric outage.
- 5.3 The iCON100SR shall have anti-pass back operation.

### **6 Communication Specification**

- 6.1 External reader ports included in iCON100SR shall support 34 bit Wiegand and 4/8 bit burst.
- 6.2 The iCON100SR shall provide RS232, RS422 those can be connected up to 32channels and TCP/IP communication with LAN converter.
- 6.3 The iCON100SR shall support baud rate of 9600bps factory default.
- 6.4 Input and Output as following shall be provided by the iCON100SR
  - 6.4.1 The iCON100SR shall have 5 insulated input ports.
  - 6.4.2 The iCON100SR shall have 5 output ports as following, 2 form-C relay (Com, NO, NC) Rating and 2 TTL.



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## **7 Environmental Specification**

### **7.1 Operating Temperature**

7.1.1 The iCON100SR shall operate temperature between -35 ° C ~ +65 ° C.

### **7.2 Operating Humidity**

7.2.1 The iCON100SR shall operate humidity between 10% ~ 90% RH(Non-condensing)

## **8 Certification and Approvals**

### **8.1 The iCON100SR 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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