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

Architect & Engineer Specification

iCON100 Single Door Access Control Panel
Aug 21, 2009

1 Introduction

The intent of this document is to describe the specification of iCON100 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 iCON100 single door access control panel shall provide total control of access control for single door. It shall dynamically control up to 10,000~50,000 User ID numbers, and it can keep 10,000~50,000 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 that can be downloaded /uploaded from/to the host computer with software supporting a variety of reporting formats. Combined with Starwatch Dual Pro software, the iCON100 shall provide easy yet secure access control solution.

3 Mechanical Specification

3.1   The iCON100 single door access control panel shall measure 5.4"x 5.4"x 0.72" (137 x 137 x 18mm). iCON100 package shall arrive assembled optionally contains following;
   3.1.1   A nema case
   3.1.2   A power board with battery.
3.2   The iCON100 shall weight 170g and packaged weight for shipping shall be 200g

4 Electrical Specification

4.1   The iCON100 shall contain Dual 8bit Microprocessor
4.2   The iCON100 shall contain memory as following.
   4.2.1   Program memory of 128KByte flash memory.
   4.2.2   Data memory of 1MByte flash memory.
4.3   The iCON100 shall indicate its status through red, green, yellow 16 LED.
4.4   The ICON100 shall have an optional 12 key numeric Keypad with back light and LCD
4.4   The iCON100 shall operate on 12V. Max 350mA.

5 Control Panel Specification

5.1   The iCON100 shall provide 2 external reader ports.
5.2   The iCON100 shall remain ID& event data and setting value in case of electric outage.
5.3   The iCON100 shall have anti-pass back operation.
5.4   The iCON100 shall have the following time schedule function.
   5.4.1   Card time schedule
   5.4.2   Reader time schedule
   5.4.3   Input time schedule
   5.4.4   Output time schedule
5.5   The iCON100 shall have forced door open alarm function.
5.6   The iCON100 shall have duress alarm function.
5.7   The iCON100 shall have watchdog function for CPU.

6 Communication Specification

6.1   External reader ports included in iCON100 shall support 26 bit wiegand, 34 bit wiegand and 4/8 bit burst.
6.2   The iCON100 shall provide RS232, RS422 and TCP/IP. ICON100 can be connected up to 32channels through each RS422 line.

6.3   The iCON100 shall support baud rate of 9600bps (factory default), 4800bps, 19200bps, 38400bps, 57600bps and115200bps.

6.4   Input and Output as following shall be provided by the iCON100

    6.4.1   The iCON100 shall have 5 insolated input ports.

    6.4.2   The iCON100 shall have 4 output ports as following, 2 form-C relay (Com, NO, NC) Rating and 2 TTL.

7   Environmental Specification

7.1   Operating Temperature

    7.1.1   The iCON100 shall operate temperature between $0°C \sim +65°C$.

7.2   Operating Humidity

    7.2.1   The iCON100 shall operate humidity between 10% ~ 90% RH(Non-condensing)

8   Certification and Approvals

8.1   The iCON100 shall have following certification

    8.1.1   FCC certification

    8.1.2   CE certification

    8.1.3   UL certification

    8.1.4   ROHS 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 ~ 1800
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.