

Model:UT-2088

16-channel opto-isolated I/O controller

Datasheet



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1. Overview

UT-2088 data parallel input/output (I/O) control card is 8-bit 16-channel data input, 8-bit 16-channel data output, all data input and output are compatible with TTL/DTL level, each data input or output channel is similar to a number of personal computer interface, using external RS-232 and RS-485 opto-isolated communication interface, this type of computer I/O box is very easy to use the program to control the functions of those input/output ports, plus simple drive lines to drive external devices (e.g.: pneumatic components, external relay switches, electric eye states, remote control interface instruments, analog-to-digital-to-analog converters, EEPROM electrically erasable memory read/write, stepper motor control, etc.).

2. Main Function, Feature

- Support 16-channel opto-isolated relay output/input controller

3. Technical Parameters

- Standard RS-232 input interface (RS-485, TCP/IP interface optional)
- Standard DB25 output interface
- 16-channel opto-isolated relay output
- 8-channel opto-isolated voltage input and 8-channel opto-isolated switch input
- Power input: AC100-240V/50~60Hz
- Switching output using terminal blocks
- Power consumption: 12W Max.
- Maximum contact capacity (DC): 110VDC 0.3A 30VDC 1A
- Maximum contact capacity (AC): 125VAC 0.3A
- With communication indicator indication
- Operating environment: -25~ 70°C, relative humidity 5~95%

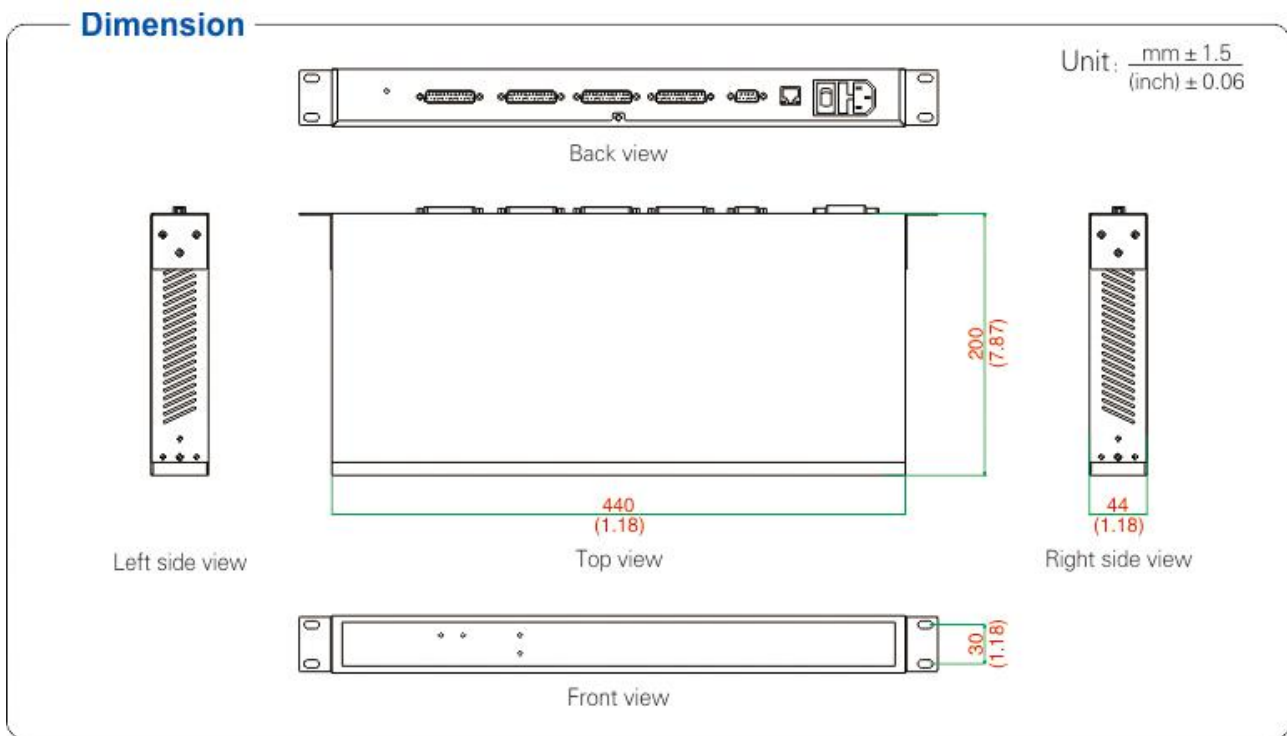
4. Interface Definition

Pin Assignment	RS-232	RS-485
1	N/C	RS-485-
2	RXD	RS-485+
3	TXD	N/C
4	N/C	N/C
5	GND	GND
6	N/C	N/C
7	N/C	N/C
8	N/C	N/C
9	N/C	N/C

5. Product View (Appearance)



6. Structure Dimension



7. Ordering Information

Ordering

Model	Signal/ Interface		Protection level	Baud rate	Operating Environment			Power	
	RS232/485 /422	I/O			Temperature		Humidity		
	DB9	DB25 Male	RS-232/485/422		-25~70℃	-40~85℃	5~95%	plug and play	External power
UT-2088	√	√	600W Surge	1200bps~19200bps	√		√		AC100-240 V