

Model:UT-5528

Digital 8-channel optical isolated dry contact I/O input module

Datasheet



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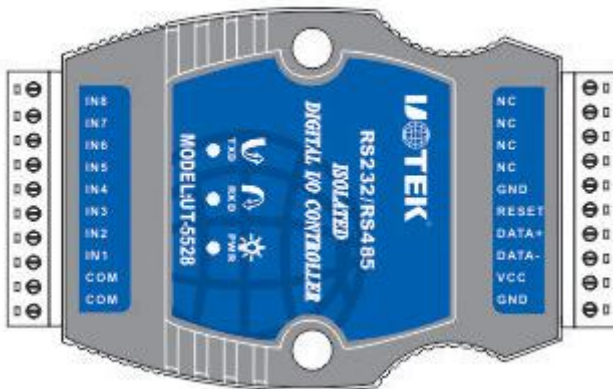
1. Overview

The UT-5528 opto-isolated data parallel input I/O controller is an 8-bit, 8-channel isolated switching input. All switching inputs are simply COM and IN1 shorted, or COM and IN1-8 can be connected.

2. Technical Parameters

- Operating power supply: 9-30VDC/350mA
- Isolation voltage: 2500V rms
- Electrical interface: Ten bit terminal block
- Dimension: 120mm×80mm×25mm
- Operating temperature: -25 ~ 70°C
- Relative humidity from 5 ~ 95%
- RS-485 interface (RS-232 optional), support MODBUS-RTU

3. Hardware definition and initial definition



- Connector allocation

The controller is using 10-position terminal blocks as input and output connectors, with the following pin assignments.

Notes.

--GND:Common ground

--VCC:DC9--30V power input operating current:350mA

--DATA-:Communication interface (RS232, data reception, RS485/RS485-)

--DATA+: Communication interface (RS232, data reception, RS485/RS485)

--RESET: reset

--COM: Switching input common

--IN1/IN2/IN3/IN4/IN5/IN6/IN7/IN8 Switching inputs

--NC: empty

CN1:
Connection socket 1

GND	10
VCC	9
DATA-	8
DATA+	7
RESET	6
GND	5
NC	4
NC	3
NC	2
NC	1

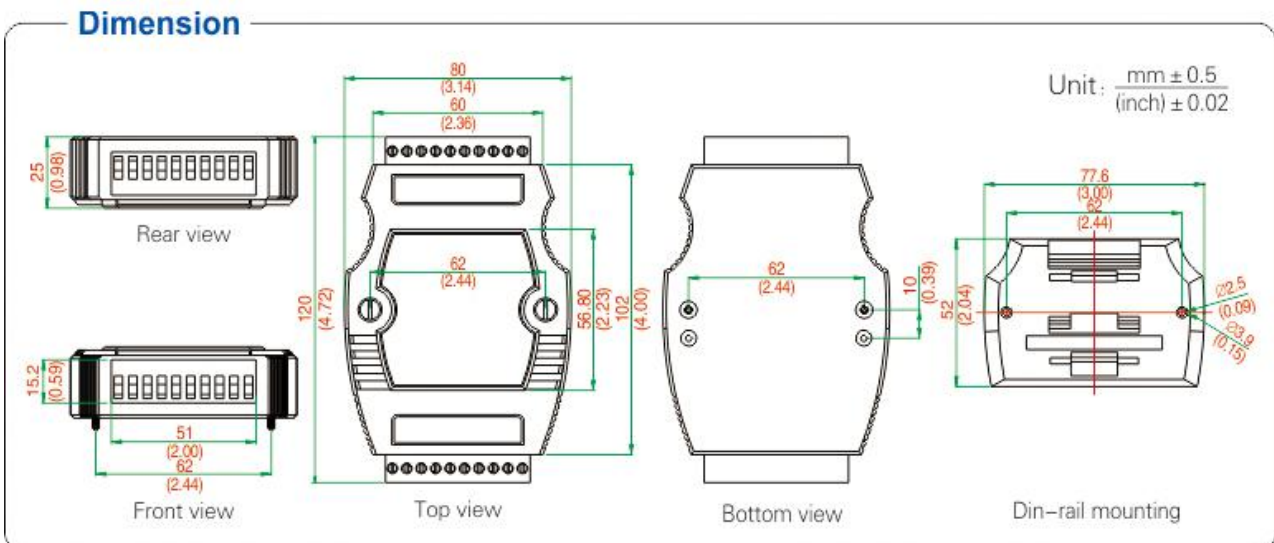
CN2:
Connection socket 2

COM	10
COM	9
IN1	8
IN2	7
IN3	6
IN4	5
IN5	4
IN6	3
IN7	2
IN8	1

5. Product View (Appearance)



6. Structure Dimension



7. Ordering Information

Model	Signal/ Interface		Protection level	Baud rate	Operating Environment			Power	
	RS232/485	I/O			Temperature		Humidity	plug and play	External power
	5.08 Terminal block		RS232/485		-25~70°C	-40~85°C	5~95%		
UT-5528	√	√	√	1200bps~19200bps	√		√		9~36VDC