

Model:UT-6011 Series

10/100M to 1 Ports RS-485/422 Serial Device Server

Datasheet



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1. Overview

UT-6011 series serial device server provides serial port to network function, which can convert RS-485/422 serial port to TCP/IP network interface to achieve two-way transparent data transmission between RS-485/422 serial port and TCP/IP network interface. It enables serial devices to have TCP/IP network interface function immediately.

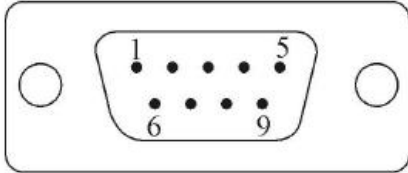
2. Technical Parameter

- CPU: 25MHz
- Memory: data cache space per port \geq 2KB
- Network port: RJ45 interface 10/100M (surge 10/700us common mode: 1000V/differential mode 500V) auto- MDI/MDI-X
- Network protocol: IP, ICMP, UDP, TCP
- System support: Windows/ Xp/2003/win7/win8/win10 32/64bit
- Operation modes: TCP SERVER, TCP CLIENT, UDP Modbus SERVER master mode, Modbus CLIENT master mode, Modbus SERVER slave mode, Modbus CLIENT slave mode
- Number of hosts: can support 2 hosts connected at the same time
- Configuration method: serial port configuration tool
- Number of serial ports: 5.08-5PIN terminal
- Serial port protection: RS485/422 surge 10/700us, common mode / differential mode 0.5KV
- Baud rate: 100-921600bps
- Parity bits: None, Odd, Even, Mark, Space
- Data bits: 8
- Stop bits: 1,2
- Flow control: RTS/CTS
- Supply voltage: 5V(4.75~5.25V)
- Operating current: 158mA
- Power supply interface: 5.08mm 2Pin terminal block and DC socket
- Operating temperature: -40~85°C
- Storage temperature: -40~85°C
- Relative humidity: 5~95%RH,(no condensing)

3. Pin definition

- UT-6011 RS232 Pin Definition

DB9 male



DB9 male	RS-232
1	N/C
2	RXD
3	TXD
4	N/C
5	GND
6	N/C
7	RTS
8	CTS
9	N/C

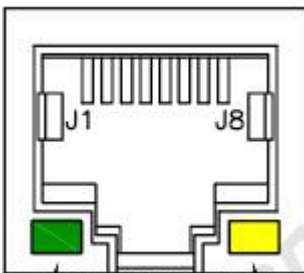
- UT-6011 Serial Device Server RS-485/422 Pin Definition



5.08 pin	RS-485	RS-422	Description
1	T/R+	T/R+	T/R+
2	T/R-	T/R-	T/R-
3	N/C	RXD+	Receive+
4	N/C	RXD-	Receive-
5	GND	GND	GND

- UT-6011 Serial Device Server RJ45 Pin Definition

RJ45



Green is LINK, yellow is ACT

RJ45	EIA/TIA 568B	Definition	Description	EIA/TIA 568B
1	Orange & White	TX+	Transmit+	TX+
2	Orange	TX-	Transmit-	TX-
3	Green & White	RX+	Receive+	RX+
4	Blue	N/C		N/C
5	Blue & White	N/C		N/C
6	Green	RX-	Receive-	RX-
7	Brown & White	N/C		N/C
8	Brown	N/C		N/C

5. Product View (Appearance)



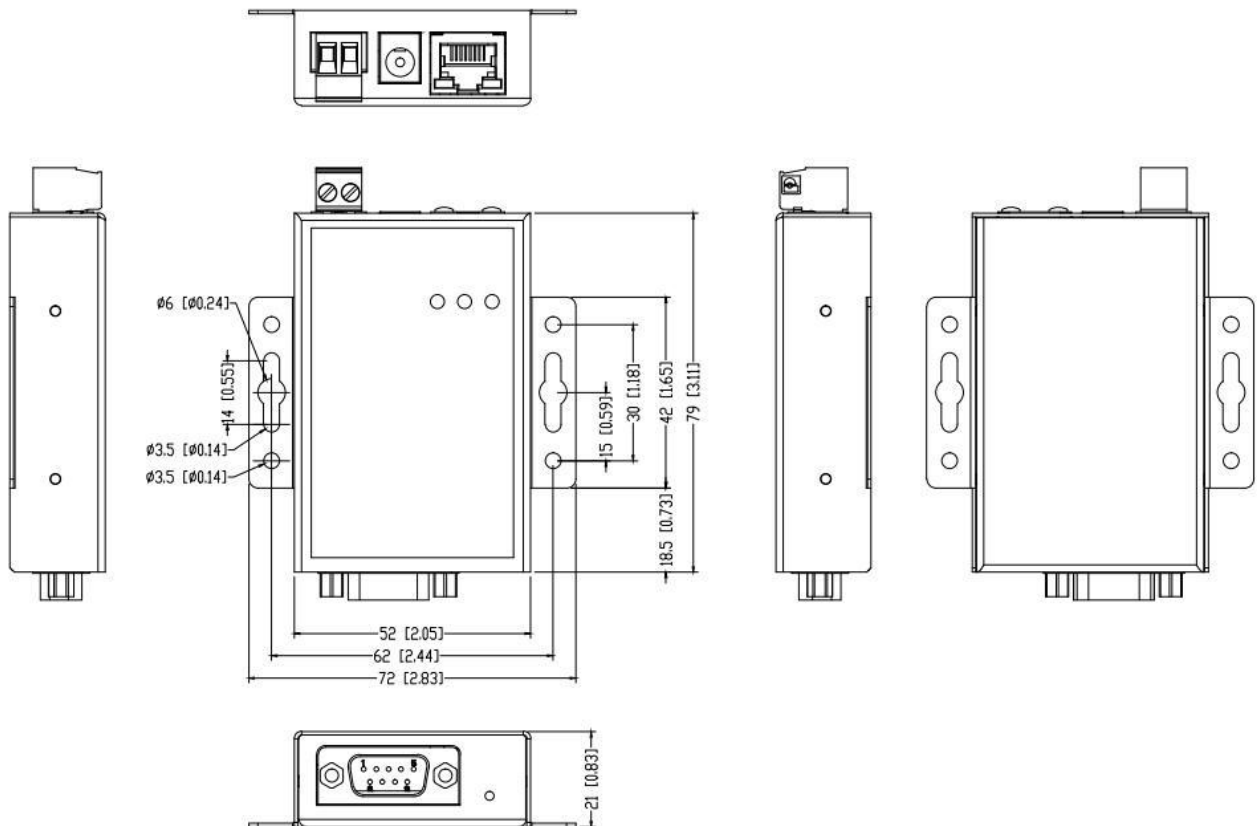
UT-6011C



UT-6011M

6. Structure Dimensions

UT-6011C



UT-6011M

