

## Model: UT-6311 Series

(Product Name: 10/100M to 1 Ports RS-232/485/422 Serial Device Server )

# Datasheet



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## 1. Overview

UT-6311 series serial device server, also called terminal server or serial server, is a converter between asynchronous serial port RS232/422/485 and Ethernet. It is a standalone intelligent device with CPU and full TCP/IP protocol stack. It accomplishes transparent data transfer between RS232/422/485 and Ethernet in both directions, allowing RS232/422/485 serial devices to connect to the network immediately. The converter provides a web configuration interface that allows the user to set the converter's operating parameters flexibly. The small size and industrial-grade high standard design make it easy for customers to install and use; it is widely used in industrial communication and data conversion systems.

## 2. Main Functions & Features

- Bidirectional data transmission over Ethernet and RS-232/485/422/TTL
- Integrated 1 RS-232/485/422/TTL communication interface, supporting 300bps-921600bps communication rate
- Integrated 1 10M/100M Ethernet interface
- Power supply interface: DC-JACK, 5.08-2P Phoenix terminal
- Parity bit: None,Odd,Even
- Data bit 5, 6,7,8
- Stop bit 1, 1.5, 2
- Flow control RTS/CTS, XON/XOFF
- Working voltage: DC 5V $\pm$ 5%
- Working current:  $\leq$  80mA@5V
- Operating temperature: -40~85°C
- Storage temperature: -40~85°C
- Operating humidity: 5~95% (no condensation)
- Storage humidity: 5~95% (no condensation)
- Electrostatic protection: air 4kV, contact 4kV
- Surge protection: Serial port 600W

## 3. Indicator Light

- PWR: red, power indicator; long light when power supply is normal.

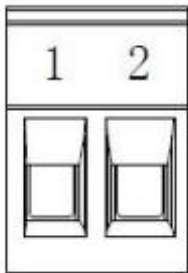
- RUN: green, system operation indicator; flashes when the system is running normally.
- DATA: green, communication indicator; light is on when the serial port sends or receives data; off when sending or receiving is completed

## 4. Key Definition

- Reset: button, press for 1 second to reset the system, press for 5 seconds to restore the device to factory setting

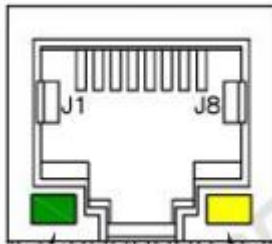
## 5. Pin Definition

5.1. UT-6311 series power supply pin definition:



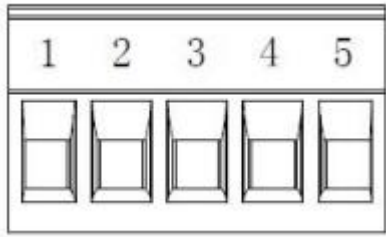
No.	Signal	Description
1	GND	Power input ground
2	VCC	Power input positive

5.2. UT-6311 series network pin definition:



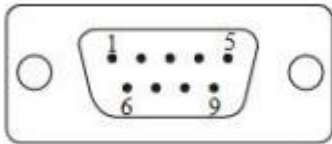
RJ45	Definition	Description
1	TX+	Transmitting Signal +
2	TX-	Transmitting Signal -
3	RX+	Receiving Signal+
6	RX-	Receiving Signal-
4, 5, 7, 8	-	-

5.3. UT-6311 series serial port pin definition:



Model		UT-6311M		UT-6311M-TTL
NO.	Signal	RS-485	RS-422	TTL(3.3V)
1	T/R+	485-A	422 transmitting+	Transmitting
2	T/R-	485-B	422 transmitting-	Receiving
3	RXD+	-	422 receiving+	
4	RXD -	-	422 receiving-	
5	GND	GND	GND	GND

DB9 Male



Model	UT-6311C	UT-6311C-TTL
No.	RS-232	TTL(3.3V)
1	-	TX( transmitting)
2	RXD(RS-232 receiving)	RX( receiving)
3	TXD(RS-232 transmitting)	-
4	-	-
5	GND	GND
6	-	-
7	RTS	-
8	CTS	-
9	-	-

## 6. Appearance

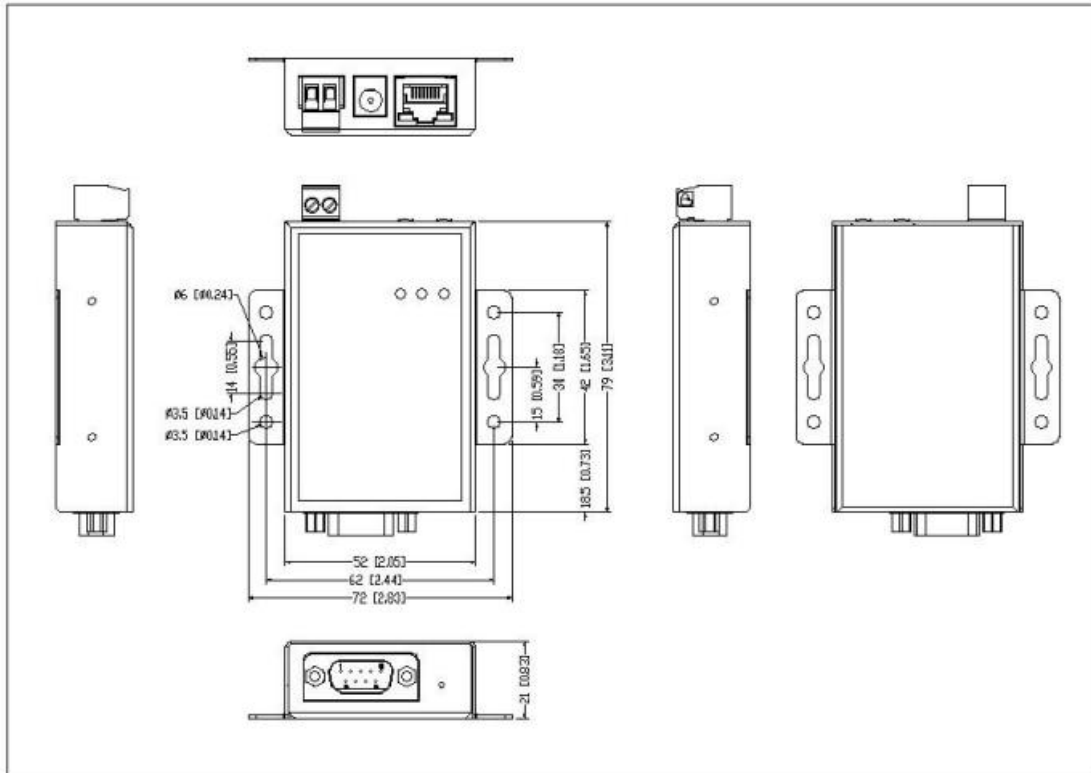


UT-6311C Product View

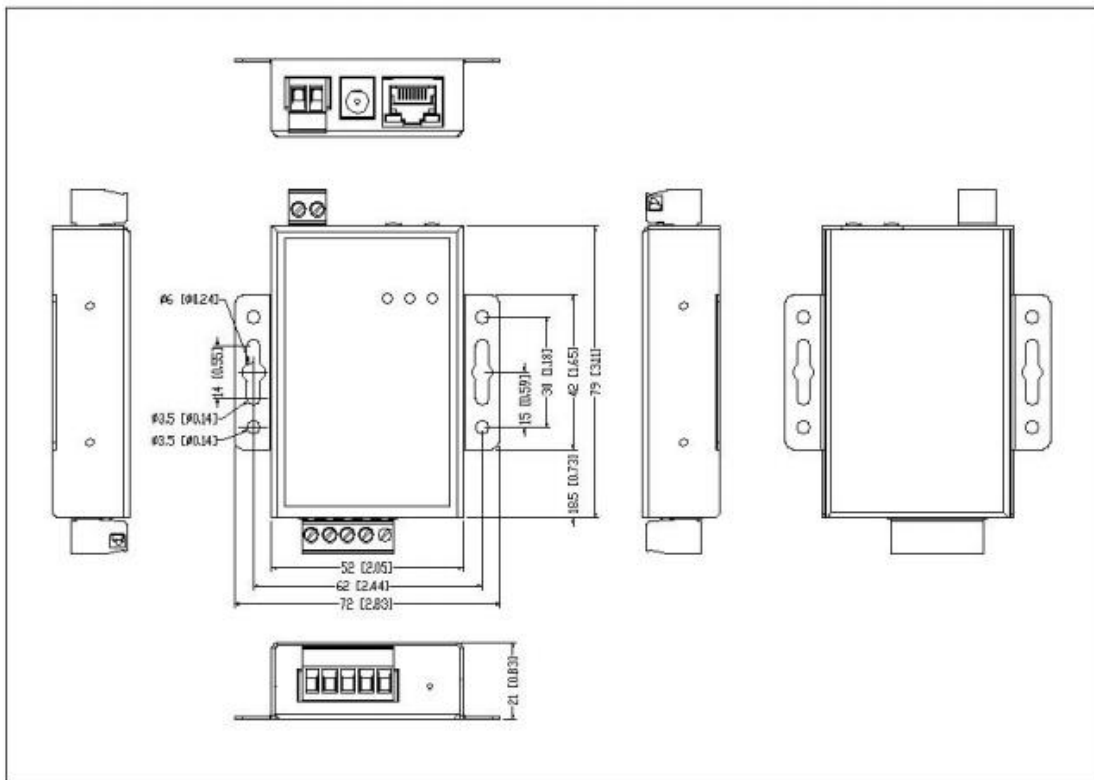


UT-6311M Product View

## 7. Structure dimensions



UT-6311C



UT-6311M