

Model:UT-620

10/100M TCP/IP to RS-232/485/422 serial device server

Datasheet



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1. Overview

UT-620 is a communication interface converter for data conversion between TCP/IP and RS-232/422/485. It is widely used in industrial control, access control system, time and attendance system, food vending system, POS system, building automation system, power system, monitoring and data acquisition system, self-service banking system, etc. The built-in RTOS (Real Time Operating System) and the complete TCP/IP communication protocol make the UT-620 not only provide a reliable and stable operating platform, but also enable the original system to be easily and quickly managed remotely via the Internet.

2. Main Main function and feature

- Support 10/100M TCP/IP to RS-232/485/422 network interface converter

3. Technical Parameters

- **TCP/UDP server/client**

Provides 4 types of connection methods: TCP server, UDP server, TCP client and UDP client. Users can choose one method to use with their devices.

- **DHCP (Dynamic Host Configuration Protocol)**

Obtain IP address through DHCP server (Gateway), and assign IP address through internal network server to avoid IP address conflict.

- **PPP Over Ethernet**

PPPoE protocol can be directly connected to ADSL Modem after dial-up and connected to the Internet.

- **Dynamic DNS**

Through the built-in DNS function, users can obtain a fixed domain name and assign it to any dynamic IP address, so that the monitoring end can manage directly through the Internet without any fixed IP

- **Auto-detection of 10/100Mbps**

UT-620 can automatically detect 10/100Mbps network environment without manual switching.

- **Built-in network management system**

This function allows users to set up or upgrade UT-620 software through IE, Netscaps and other browsers without the need to install additional drivers or management software.

- **Data backup and restore setting**

This function allows users to backup and restore system settings, and the backup files are specially encrypted to ensure data security.

- **Operating temperature: -25 ~70 °C**

4. Hardware definition and initial setup

- RS-232 interface definition: DB9 male

DB9 Male	Definition	Data Direction
1	DCD	IN
2	RXD	IN
3	TXD	OUT
4	DTR	OUT
5	GND	-
6	DSR	IN
7	RTS	OUT
8	CTS	IN
9	RI	IN

- RS-422/485 pin definition: 4-position terminal block

Terminal No(Form left)	1	2	3	4
RS-422	T/R+	T/R-	RXD+	RXD-
RS-485	485+	485-	-	-

- Connection of 10/100M Ethernet.

UT-620 Ethernet port connects to switch, HUB and PC using 1-to-1 connection cable as shown in Figure 1

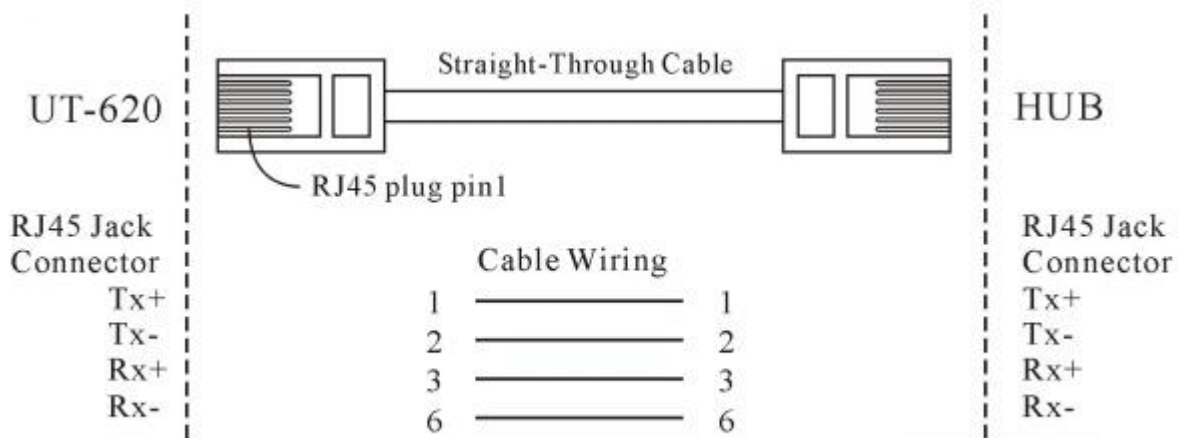
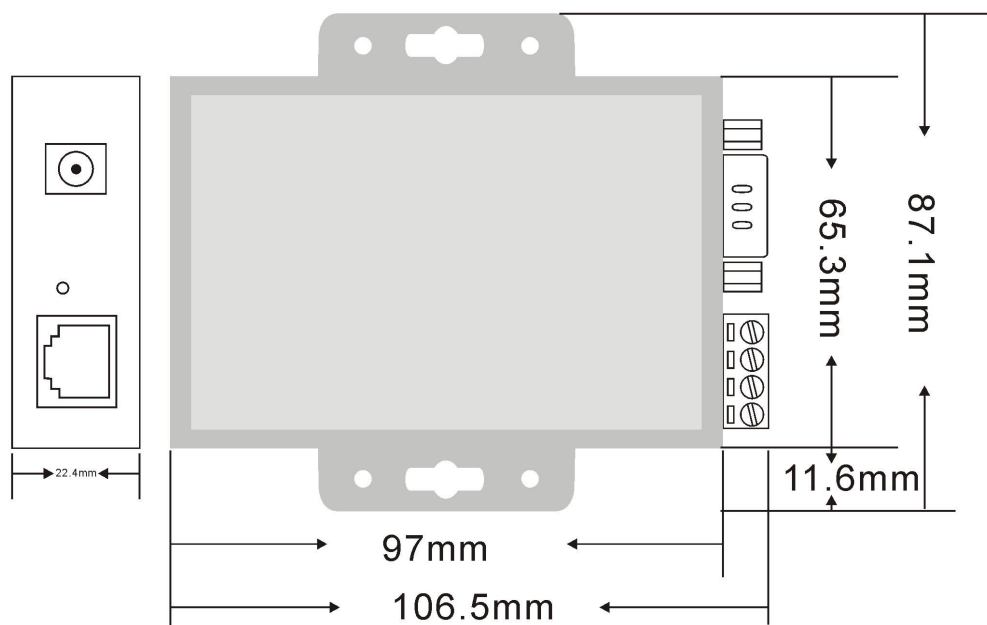


Figure 1

5. Product View (Appearance)



6. Structure Dimension



7. Ordering Information

Model	Signal/ Interface			Port Number		Protection level		Baud rate	Operating Environment			Power	
	TCP/TIP	RS232	RS485/422						Temperature		Humidity		
	RJ45	DB9 male	Terminal block	TCP/TIP	RS-232 /485/422	TCP/TIP	RS-232 /485/422		-25~70℃	-40~85℃	5~95%	plug and play	External power
UT-620	√	√	√	1	1		600W surge	1200~230.4Kbps	√		√		9~36VDC