

Model:UT-6004 Series

10/100M to 4-Port RS-232/485/422 Serial Device Server

Datasheet



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1. Overview

UT-6004 serial device server provides TCP/IP to serial function. It converts RS-232/485/422 port to TCP/IP ports, allows bidirectional data transmission between RS-232/485/422 & TCP/IP Ethernet ports. This makes the serial device support TCP/IP function. It supports IEEE802.3AF standar, the POE function greatly extend the communication distance of serial devices.

2. Major Functions & Features

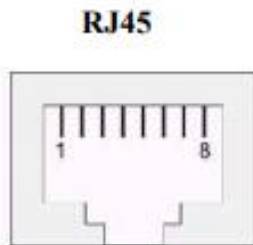
- Supports 10/100M to 4-Port RS-232/485/422 Serial Device Server

3. Technical Parameters

- CPU: 150MHz
- RAM: data buffer space(each port) ≥60KB
- Ethernet interface: RJ-45, 10/100M(built-in 2KV electromagnetic isolation, surge 10/700us, common mode 2,000V/differential mode 1,000V), auto MDI/MDI-X,
- POE Standards: supports IEEE802.3AF
- Network Protocol: IP, ICMP, UDP, TCP, HTTP, TELNET, DNS, DHCP
- System supports: Windows/XP/2003/Win 7/8/10 32/64 bit
- Operating mode: VCOM, TCP SERVER, TCP CLIENT, UDP, Serial Telnet mode, Remote Pair mode, RFC 2217
- Supports 4 hosts simultaneous connection
- Configuration: Web browser, VCOM Utility, Telnet
- Serial port: 4 x RJ-45(UT-6004MT adopts 4-pin terminal block)
- Serial port protection: RS-232/485/422 surge 10/700 us, common mode/differential mode 0.5KV
- Baud rate: 300-921,600bps
- Check bits: None, Odd, Even, Mark, Space
- Data bits: 7, 8
- Stop bits: 1, 1.5, 2
- Flow control: RTS/CTS, XON/XOFF
- Power: 5V, 12-60VDC, with optional POE function, surge 1.2/50us, common mode 2,000V/differential mode 1,000V
- ESD protection: device contact 6KV, air contact 8KV
- Operating current: 350mA@12V max
- Power port: 5.08mm 3-pin terminal block & DC input
- Operating temperature: -40~ 85°C
- Storage temperature: -40~85°C
- Relative humidity: 5% ~95%(non-condensing)

4. Pin Assignment

1. UT-6004 Serial port pin assignment



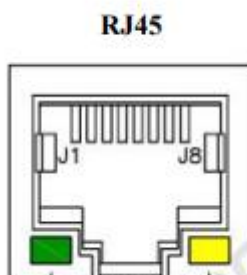
RJ45	RS-232	RS-485	RS-422
1	TxD	DATA+	TxD+
2	RxD	DATA-	TxD-
3	RTS		RxD+
4	CTS		RxD-
5	DSR		
6	GND	GND	GND
7	DTR		
8			

2. UT-6004MT Serial Device Server RS-485/422 Pin Definitions:



3.81 Terminal	RS-485	RS-422
1	T/R+	TX+
2	T/R-	TX-
3		RX+
4		RX-

3. UT-6004MT Serial Device Server RS-485/422 Network Port Pin Definition:



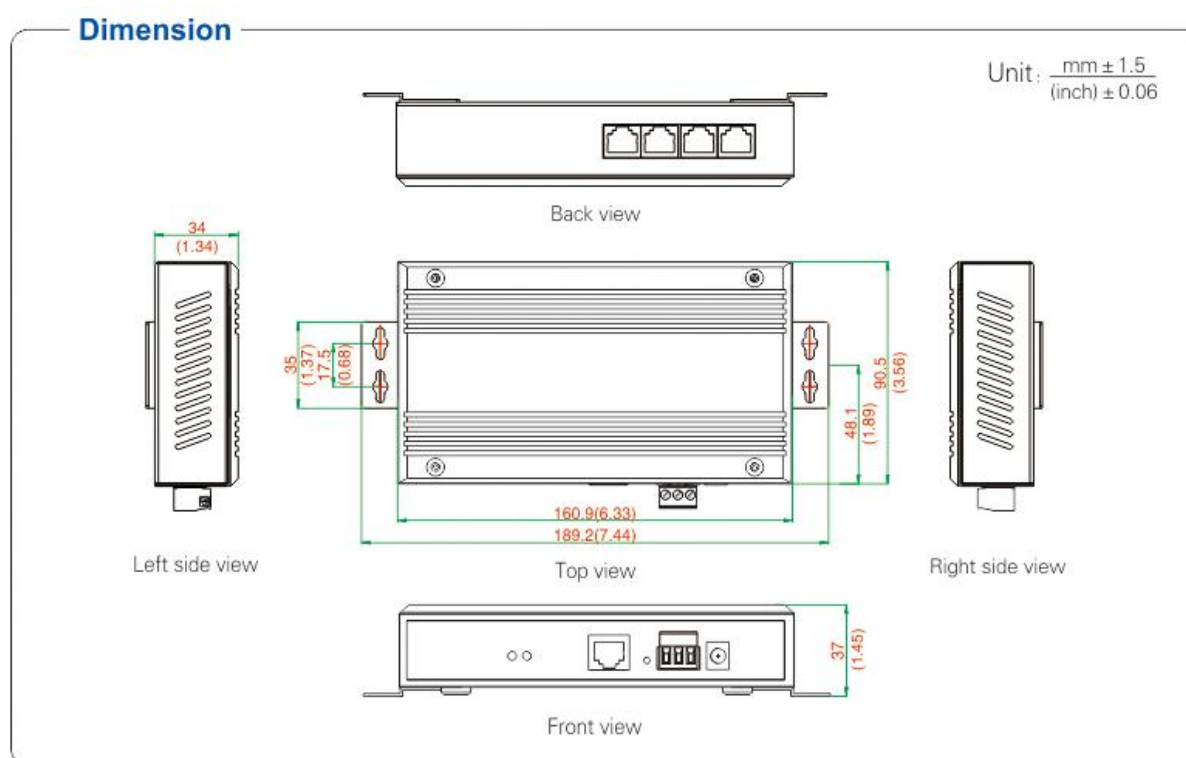
Green light for link
Yellow light for ACT

RJ45	EIA/TIA 568B	Definition	EIA/TIA 568B
1	Orange&White	TX+	TX+
2	Orange	TX-	TX-
3	Green & White	RX+	RX+
4	Blue	Data+	Data+
5	Blue & White	Data-	Data-
6	Green	RX-	RX-
7	Brown & white	Data+	Data+
8	Brown	Data-	Data-

5. Product View (Appearance)



6. Structure Dimensions



7. Ordering Information

Ordering														
Model	Signal/Port			Port qty			Protection			Baudrate	Environment		Power	
	TCP/IP	RS-232/485/422	RS-485/422	TCP/IP	RS-232/485/422	RS-485/422	Power	TCP/IP	RS-232/485/422		Temperature	Humidity		
UT-6004	RJ45	RJ45		1	4		2KV	2KV	Common/differential mode 0.5KV	300-921.6Kbps	-40/85℃	5-95%	DC12-60V	
UT-6004-5V	RJ45	RJ45		1	4		2KV	2KV		300-921.6Kbps	-40/85℃	5-95%	DC5V	
UT-6004-PD	RJ45	RJ45		1	4		2KV	2KV		300-921.6Kbps	-40/85℃	5-95%	DC12-60V	POE/AF
UT-6004MT	RJ45		3.81-4 PIN terminal block	1		4	2KV	2KV		300-921.6Kbps	-40/85℃	5-95%	DC12-60V	
UT-6004MT-5V	RJ45			1		4	2KV	2KV		300-921.6Kbps	-40/85℃	5-95%	DC5V	
UT-6004MT-PD	RJ45			1		4	2KV	2KV		300-921.6Kbps	-40/85℃	5-95%	DC12-60V	POE/AF

Accessories: Power adapter/serial cable/stator