

Model:UT-6008 Series

10/100M to 8-Port RS-232/485/422 Serial Device Server

Datasheet



UTEK TECHNOLOGY (SHENZHEN) CO., LTD.

Add: Floor 8-10, Building 7, Skyworth Innovation Valley, No. 8, Tangtou No.1 Road, Shiyan Street, Shiyan Old Street, Bao 'an District, Shenzhen

Tel: +86-755-81202008

Fax: +86-755-27886083

Http: www.uotek.com

1. Overview

UT-6008 series serial device server provides serial port to Ethernet port function. It can convert RS-232/485/422 serial port into TCP/IP network interface, and realize the transparent data transmission between RS-232/485/422 serial port and TCP/IP network interface in both directions. So that the serial device can immediately have TCP/IP network interface function, and support the IEEE802.3AF standard, can be directly through the network cable power supply, connected to the network for data communication, greatly expanding the communication distance of the serial device.

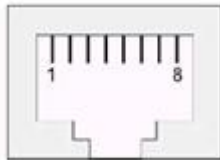
2. Technical Parameters

- CPU: 150MHz
- Memory: data buffer space(each port) ≥60KB
- Ethernet port: RJ-45, 10/100M(built-in 2KV electromagnetic isolation, surge 10/700us, common mode 2000V/differential mode 1000V), auto MDI/MDI-X
- POE: supports IEEE802.3AF
- Protocol: IP, ICMP, UDP, TCP, HTTP, TELNET, DNS, DHCP
- System Support: 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, Modbus TCP server, Modbus TCP client
- Supports 4 hosts simultaneous connection
- Configuration: Web browser, VCOM Utility, Telnet
- Serial port x8, RJ-45 (UT-6008MT adopts 4-pin terminal block)
- Serial port protection: RS-232/485/422 surge 10/700 us, common mode/differential mode 0.5KV
- Baudrate: 300-921600bps
- Check bit: None, Odd, Even, Mark, Space
- Data bit: 7, 8
- Stop bit: 1, 1.5, 2
- Flow control: RTS/CTS, XON/XOFF
- Power: 5V, 12-60VDC, with optional POE function, surge 1.2/50us, common mode 2000V/differential mode 1000V
- 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)

3. Pin Definition

1. UT-6008 serial port pin definition

RJ45



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			

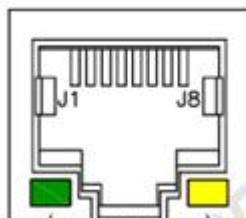
2. UT-6008MT serial device server RS485/422 pin definition



3.81 terminal block	RS-485	RS-422	Description
1	T/R+	TX+	Transmit/receive +
2	T/R-	TX-	Transmit/receive -
3		RX+	Receive +
4		RX-	Receive -

3. UT-6008 serial device server RJ45 Ethernet port pin definition

RJ45



Green: LINK
Yellow: 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	Data+	bi-direction data +	Data+
5	Blue/White	Data-	bi-direction data -	Data-
6	Green	RX-	Receive -	RX-
7	Brown/white	Data+	bi-direction data +	Data+
8	Brown	Data-	bi-direction data -	Data-

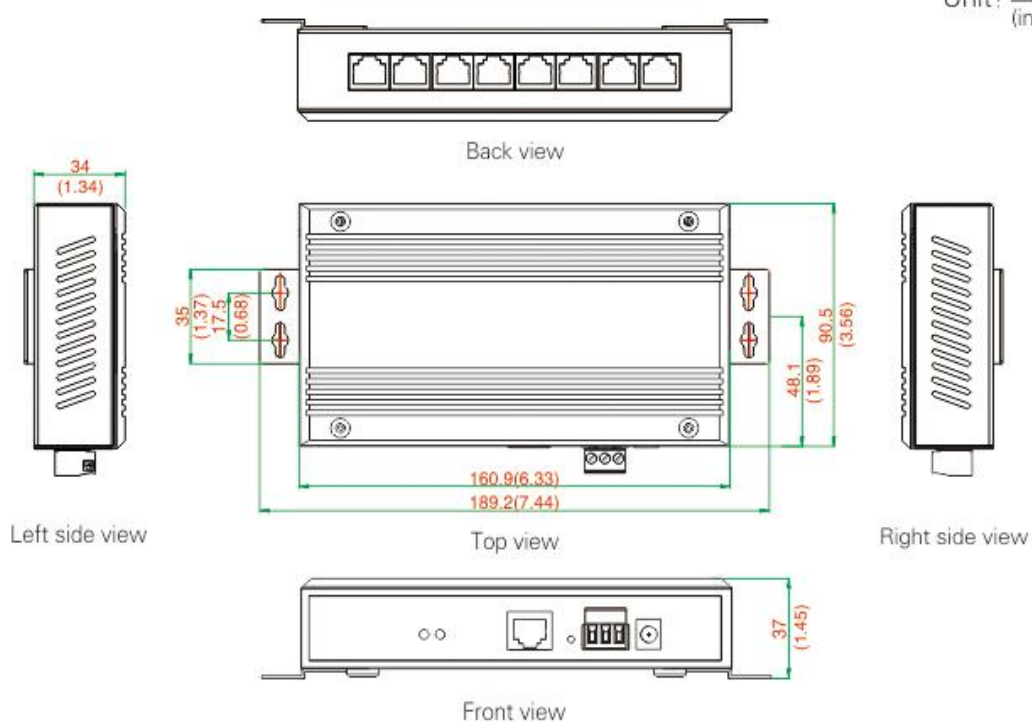
4. Product View (Appearance)



6. Structure Dimension

Dimension

Unit: $\frac{\text{mm} \pm 1.5}{(\text{inch}) \pm 0.06}$



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-6008	RJ45	RJ45		1	8		2KV	2KV	Common/differential mode 0.5KV	300~921.6Kbps	-40/85℃	5~95%	DC12~60V
UT-6008-5V	RJ45	RJ45		1	8		2KV	2KV		300~921.6Kbps	-40/85℃	5~95%	DC5V
UT-6008-PD	RJ45	RJ45		1	8		2KV	2KV		300~921.6Kbps	-40/85℃	5~95%	DC12~60V POE/AF
UT-6008MT	RJ45		3.81~4 PIN terminal block	1		8	2KV	2KV		300~921.6Kbps	-40/85℃	5~95%	DC12~60V
UT-6008MT-5V	RJ45			1		8	2KV	2KV		300~921.6Kbps	-40/85℃	5~95%	DC5V
UT-6008MT-PD	RJ45			1		8	2KV	2KV		300~921.6Kbps	-40/85℃	5~95%	DC12~60V POE/AF

Accessories: Power adapter/serial cable/stator