

Model:UT-6008M-I Series

10/100M TCP/IP to 8-Port RS-485/422 Isolated Serial Device Server

Datasheet



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1. Overview

UT-6008M-I serial device server provides serial port isolation to network function, which can convert RS-485/422 serial port to TCP/IP network interface and realize bidirectional 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 and supports IEEE802.3AF standard (optional), which can be directly powered by network cable and connected to network for data communication, greatly extending the communication distance of serial devices.

2. Technical Parameters

- CPU: 150MHz
- Memory: data cache space per port \geq 60KB
- Network port: RJ45 interface 10/100M (embedded 2KV electromagnetic isolation, surge 10/700us common mode: 2000V/differential mode 1000V) auto -MDI/MDI-X
- POE standard: support IEEE802.3AF standard (optional)
- Network protocols: IP, ICMP, UDP, TCP, HTTP, TELNET, DNS, DHCP
- System support: Windows /XP/2003/win7/win8/win10 32/64bit
- Operation modes: VCOM, TCP SERVER, TCP CLIENT, UDP, Serial Telnet Mode , Remote Pair mode, RFC 2217, Modbus TCP server, Modbus TCP client
- Host number: 4 hosts can be connected at the same time
- Configuration method: Web browser, VCOM Utility, Telnet
- Number of serial ports: 8 channels, 3.81-4PIN terminal output
- Serial port protection: RS-485/422 surge 10/700us common mode:2000V/differential mode 1000V
- RS-485 pull-up/pull-down resistance: 680 Ω , 4.7 K Ω
- RS-485 terminal resistance: 120 Ω
- Isolation voltage: 2.5 KV rms for 1 minute
- Baud rate: 300-921600bps
- Parity bits: None, Odd, Even, Mark, Space
- Data bits: 7, 8
- Stop bits: 1, 1.5, 2
- Flow control: RTS/CTS, XON/XOFF,
- Supply voltage: 100-240VAC, POE power supply (optional), surge 1.2/50us common mode: 2000V/differential mode 1000V
- Electrostatic protection: 6KV for whole machine contact, 8KV for air
- Operating current: 15mA@220VAC
- Power supply interface: 3PIN pin AC socket
- Operating temperature: -40 ~ 85°C
- Storage temperature: -40 ~ 85°C
- Relative humidity: 5 ~ 95%RH, no condensing
- Safety certification

EMI:

EN 55022 Class A, FCC part 15 Subpart B Class A

EMS

- EN 61000-4-2 ESD: contact 6 kV: air 8 kV
- EN 61000-4-3 RS: 3 V/m(80 MHz to 1 GHz)
- EN 61000-4-4 EFT: Power 4 kV: Signal 2 kV
- EN 61000-4-5 Surge: AC 2 kV (AC models): DC 2 kV(HV models): Signal 2 kV
- EN61000-4-6CS:3V
- EN61000-4-8
- EN 61000-4-11: AC models only Safety: UL 60950-1,
- EN 60950-1
- EMC:55022/24
- Free fall:IEC-68-2-34,IEC-68-2-32
- Vibration: IEC-68-2-6
- Environmental protection: ROHS
- Reliability: Auto Restart Trigger: Built-in WDT (Watchdog Timer)
- MTBF: 100000 hours

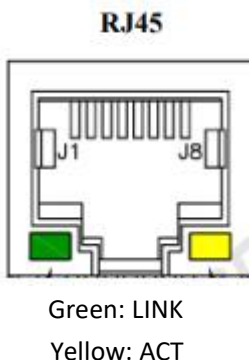
3. Pin Definition

- UT-6008M-I serial device server RS-485/422 pin definition



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

- UT-6008M-I serial device server RJ45 network pin definition

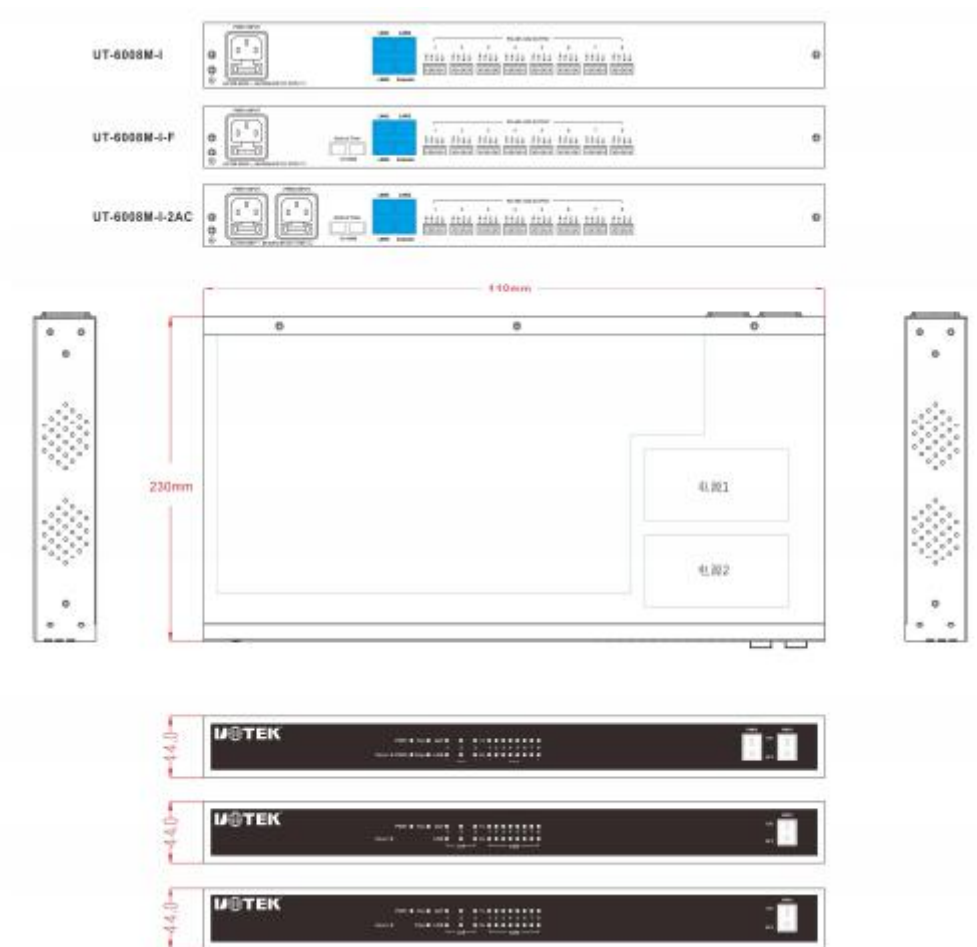


RJ45	EIA/TIA 568B	Definition	Description	EIA/TIA 568B
1	Orange/White	TX+	Transmit +	TX+
2	Orange	TX-	Transmit -	TX-
3	Green/White	RX+	Receive +	RX+
4	Blue	Data+	bi-direction data +	Data+
5	Blue/White	Data-	bi-direction data -	Data-
6	Green	RX-	Receive -	RX-
7	Brown/white	Data+	bi-direction data +	Data+
8	Brown	Data-	bi-direction data -	Data-

4. Product View (Appearance)



6. Structure Dimension



7. Ordering Information

Model	Signal/ Interface				Protection level			Baud rate	Operating Environment		Power
	Network port	Console	RS-485/422	Optical port					Temperature	Humidity	
	LAN	RJ45	Terminal block	Optional	RS485/422	Network port	Power		-40~85°C	5~95%	External power
UT-6008M-I	3	1	8		common mode: 2000V differential mode: 1000V			300bps-92 1.6kbps	√	√	AC100-240V
UT-6008M-I-PD	3	1	8						√	√	POE AF AC100-240V
UT-6008M-I-F	3	1	8	SC/ST/FC					√	√	AC100-240V
UT-6008M-I-2AC	3	1	8	SC/ST/FC					√	√	AC100-240V
UT-6008M-I-48	3	1	8						√	√	DC36-72V