Serial to Ethernet Converter

■ ■ ■ USR-TCP232-302

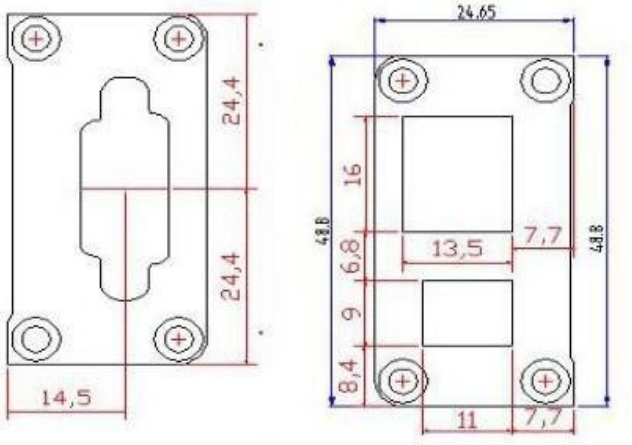
Serial Ethernet data transmission

USR-TCP232-302 is a serial rs232 to Ethernet server, used for data transparent transmission. It is a low-cost serial device server, whose function is to realize bidirectional transparent transmission between rs232 and Ethernet. USR-TCP232-302 is internally integrated with TCP/IP protocol. User can apply it to device networking communication.

■ ■ ■ RS232 to Ethernet

- ■ Support DNS function
- ■ Support DHCP, automatically obtain an IP address and query IP address through serial setting protocol
- ■ Set parameters through webpage
- ■ Upgrade firmware via network
- ■ Auto-MDI/MDIX, RJ45 port with 10/100Mbps
- ■ Serial port baud rate from 600 bps to 230.4 Kbps, Check bit of None, Odd, Even, Mark and Space
- ■ Work mode: TCP Server, TCP Client, UDP Client, UDP Server, HTTPD Client
- ■ Restore factory default
- ■ Heartbeat package mechanism to ensure connection is reliable, put an end to dead link
- ■ User-defined registration package mechanism, check connection status and use as custom packet header
- ■ Across the gateway, switches, routers
- ■ The global unique MAC address bought from IEEE, user can define MAC address
- ■ Support virtual serial port and provide corresponding software USR-VCOM
- ■ Under TCP Server mode, Client number ranges from 1 to 16; default number is 4
- ■ Can work in LAN, also can work in the Internet
- ■ Provide PC TCP/IP socket programming example such as VB, C++, Delphi, Android and IOS
- ■ Support customization

Specifications	
Serial	
Port Number	1
Interface Standard	RS-232: DB9 cellular type
Data Bit	5, 6, 7, 8
Stop Bit	1, 2
Check Bit	None, Even, Odd, Space, Mark
Baud Rate	600 bps ~ 230.4 Kbps
Buffer	Receive: 800 bytes
Ethernet	
Rate	10/100 Mbps, MDI/MDIX, auto switch between cross and direct connection
Interface Standard	RJ45
Port Number	1
Network Protocol	IP,TCP,UDP,DHCP,DNS,HTTP,ARP,ICMP
Protection	2KV electromagnetism isolation Shell insulation blocking
Buffer	Send: 6K bytes Receive: 4K bytes
Software	
Virtual Serial (USR-VCOM)	Windows 2000 or higher (32 bit/64 bit)
Configuration	Computer set-up software Serial command Built-in webpage
Basic Parameter	
Size	71 x 60 x 25 mm
Operating Temp.	-25 ~ 75°C
Storage Temp.	-40 ~ 105°C 5 ~ 95% RH
Input Voltage	DC 4.75 ~ 7V
Working Current	150mA @ 5V
Accessory	5V1A power supply



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