

Serial to Ethernet Converter

■ ■ ■ USR-TCP232-306

Serial Ethernet data transmission

USR-TCP232-306 is a serial rs232/rs485/rs422 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/rs485/rs422 and Ethernet. USR-TCP232-306 is internally integrated with TCP/IP protocol. User can apply it to device networking communication.

■ ■ ■ RS232&RS485&RS422 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 Basic Parameter
- The global unique MAC address bought from IEEE, user
- 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 RS422/RS485 4 wire
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	98.0 x 85.0 x 24.5 mm
Operating Temp.	-25 ~ 75°C
Storage Temp.	-40 ~ 105°C
	5 ~ 95% RH
Input Voltage	DC 5 ~ 36V
Working Current	52mA @ 12V 109mA @ 5V
Accessory	5V1A power supply DB9 cable Female to female serial cable

