

# USR-TCP232-24 Serial to Ethernet Module

## USR-TCP232-24 Introduction

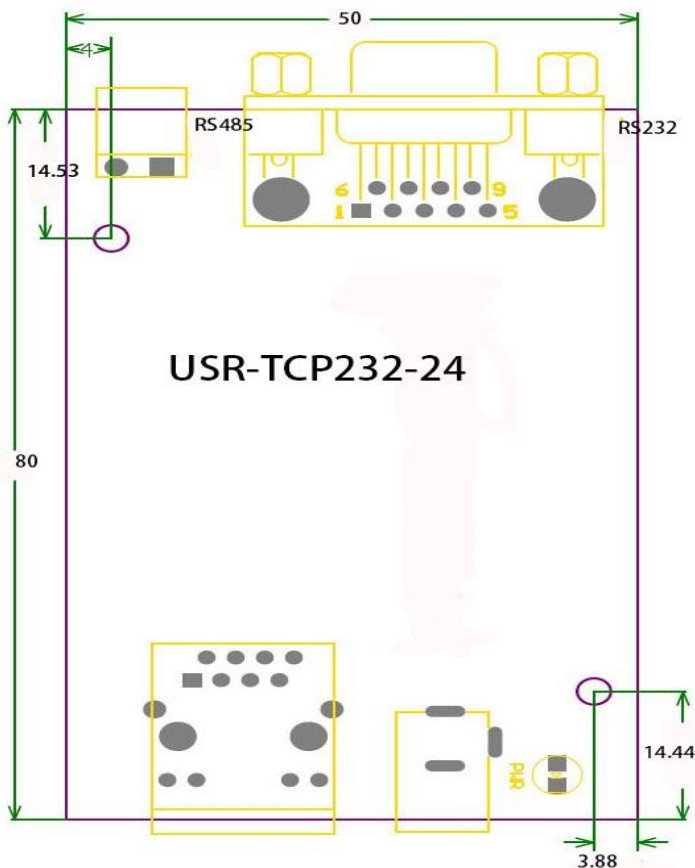
It is a data transparent transmission equipment for converting TCP or UDP socket data to serial RS232/RS485.

It has characters of low power consumption, 32 bits ARM processor on board, high speed and high stability.

## USR-TCP232-24 Features

- ◎10/100M auto detect interface.
- ◎Support AUTO MDI/MDIX , can use a crossover cable or parallel cable connection
- ◎Work model : TCP Server /TCP Client /UDP Server /UDP Client
- ◎Network protocol : ETHERNET /ARP/ IP /UDP/ TCP /ICMP
- ◎32 bits ARM CPU inside , 5 V RS232/RS485 level
- ◎Unique heartbeat package mechanism to ensure connection is reliable , put an end to connect feign death.
- ◎Configuration software, TCP/UDP test soft, RS232 debug soft
- ◎Across the gateway, across switches, routers.
- ◎Under UDP mode, Packet Broadcast is prohibited , with strong anti-interference ability.
- ◎Transmission distance : RS232 – 15 meters
- ◎Virtual serial port supported

## USR-TCP232-24 Size( Unit : mm)



## Specification

### System information

Processor	ARM
Flash	32K byte

### Ethernet

Port Number	1
Interface Standard	4 Pin RJ45
Rate	10/100 Mbps, MDI/MDIX auto switch between cross and direct connection
Buffer	Send : 2K bytes Receive : 1K bytes
Network Protocol	IP / TCP / UDP / ARP / ICMP
Protection	2KV electromagnetism isolation

### Serial

Ports	2 (1*RS232, 1*RS485) Can not work at the same time
Interface	RS232 : DB9 cellular type RS485: 2 wire (A+, B-)
Baud Rate	300~460.8K
Data Bits	5, 6, 7, 8
Stop Bit	1, 2
Check Bit	None, Even, Odd, Space, Mark
Flow Control	Null
Buffer	Send and receive 800 bytes
Protection	RS485: ESD Protection 2KV
RS-485 Resistor	Pull-up and Pull-Down: 2.2 KΩ

### Software

Virtual Serial	Windows 2000 or higher (32 bit/64 bit)
Configuration	Computer set-up software/ Serial command

### Parameter

Dimensions	89.2 x 50 x 23 (mm)
Operating Temp	-25~ 75°C
Storage Temp	-45 ~ 105°C, 5 ~ 95% RH (no condensation)

### Power

Input	VDD 5 ~ 7 V
Working Current	150mA (Aver) @5V
Consumption	<1W

### Accessories

Power Adapter	5V1A
DB9 cable	Null

### More

Certificate	CE,FCC
Warranty	2 Years

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