

USR-TCP232-S Serial to Ethernet Module

USR-TCP232-S Introduction

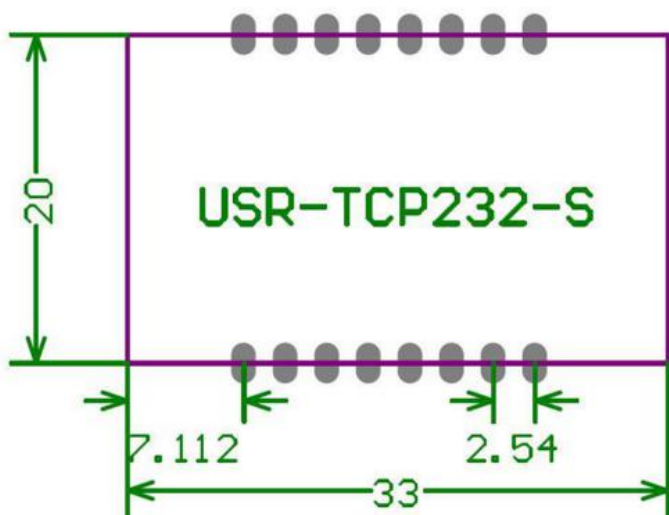
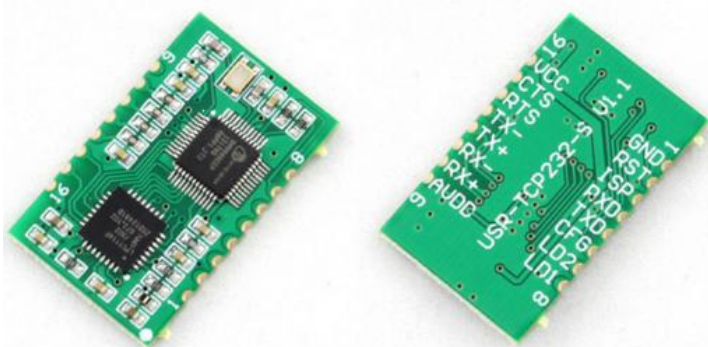
It is a data transparent transmission equipment for converting TCP or UDP socket data to serial UART.

It has characters of small size, low power consumption, ARM processor, quick speed and high stability.

USR-TCP232-S Features

- ◎10/100M auto detect interface, 3.3 V TTL level
- ◎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
- ◎ SMT Type, 32 bits ARM CPU inside
- ◎Unique heartbeat package mechanism to ensure connection is reliable , put an end to connect feign death.
- ◎Can work in LAN, also can work on the Internet
- ◎Across the gateway, across switches, routers.
- ◎Under UDP mode, Packet Broadcast is prohibited , with stronger anti-interference ability.
- ◎Virtual serial port supported

USR-TCP232-S Size(Unit : mm)



Specification

System information

| | |
|-----------|----------|
| Processor | ARM |
| Flash | 32K byte |

Ethernet

| | |
|--------------------|---|
| Port Number | 1 |
| Interface Standard | 4 Pin interface TX+,TX-,RX+,RX- |
| 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 | Null |

Serial

| | |
|-----------------|---|
| Ports | 1-Port |
| Interface | TTL : 2.54 pin 3.3V |
| Baud Rate | TTL : 300 bps ~ 790 Kbps |
| Data Bits | 5, 6, 7, 8 |
| Stop Bit | 1, 2 |
| Check Bit | None, Even, Odd, Space, Mark |
| Flow Control | Null |
| Buffer | RX : 800 bytes TX : Null |
| RS-485 Resistor | Null, reserved 485 send-receive control pin |

Software

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

Parameter

| | |
|----------------|--|
| Dimensions | 33.0 x 20.0 x 4.1(mm) |
| Operating Temp | -25~ 75°C |
| Storage Temp | -40 ~ 85°C, 5 ~ 95% RH (no condensation) |

Power

| | |
|-----------------|---------------------------------|
| Input | VCC 3.0 ~ 3.6V |
| Working Current | 150mA (aver) /200mA (max) @3.3V |
| Consumption | <1W |

Accessories

| | |
|---------------|------|
| Power Adapter | Null |
| DB9 cable | Null |

More

| | |
|-------------|---------|
| Certificate | CE,FCC |
| Warranty | 2 Years |

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