

## Super Port Module

### ■ ■ ■ USR-K3 V2

#### TTL-Ethernet module access to Network

USR-K3 is an embedded TCP/IP module provide integrated solutions to build serial to ethernet connectivity while also controlling your serial device and make data transmission.

To realize two-way transparent transmission between COM and TCP/IP,manage COM on remote device over network.

To communicate to multiple serial devices at the same time across a LAN or WAN network.

#### ■ ■ ■ UART to Ethernet

- Support up to 8 simultaneous clients when act as TCP Server
- Virtual COM ports connect PC/servers to remote serial devices over Ethernet
- Hardware flow control RTS/CTS, Hardware Watchdog
- Modbus TCP to Modbus RTU
- HTTPD Client and Websocket function available
- The global unique MAC address bought from IEEE, defined MAC address is available
- Support DNS & DHCP , automatically access IP
- Support Modbus Polling, AT command configuration

## Super Port UART Ethernet Module USR-K3 V2

- ✓ Industrial-grade design, TI Cortex M4 processor
- ✓ Hardware Watchdog keeps the connection stable
- ✓ Web to serial, modbus RTU to TCP, Modbus Polling
- ✓ Disconnection identification, auto re-connection.



### Specifications

#### System Information

Processor	Cortex-M4
Basic Frequency	120MHz
Flash	512K byte

#### Ethernet

Port Number	1
Interface Standard	8 pin RJ45
Rate	10/100 Mbps auto-detection, MDI/MDIX
Receive Buffer	Max 16k bytes buffer
Network Protocol	IP, TCP, UDP, DHCP, DNS, HTTP, ARP, ICMP Web socket, HTTPD Client

Protection 1.5KV electromagnetism isolation shell insulation blocking

Auto MDI/MDIX Yes

#### Serial

Ports	One
Interface	TTL (UART)
Baud Rate	UART: 600 bps ~ 1M bps
Data Bits	5, 6, 7, 8
Stop Bit	1, 2
Check Bit	None, Even, Odd, Space, Mark
Flow Control	Hardware: RTS/CTS
Buffer	Send and receive 2k bytes respectively

#### Software

Virtual COM	Windows 2000 or higher (32 bit/64 bit)
Configuration	Webpage/ Set-up software/ Serial command

#### Basic Parameter

Dimensions	35.0x19.39x18.25 mm
Operating Temp.	-40 ~ 85°C
Storage Temp.	-40 ~ 85°C, 5 ~ 95% RH

#### Power

Input	3.3V TTL Level
Working Current	115~125mA, arrange at 120mA ( 0.4-0.65W)
Consumption	<1W

#### More

Certificate	CE, FCC, ROHS
Warranty	2 years

Jinan USR IOT Technology Limited

Tel: 86-531-88826739

Email: inquiry@usriot.com

