

## Super Port Module

### ■ ■ ■ USR-K3

#### TTL-Ethernet module access to Network

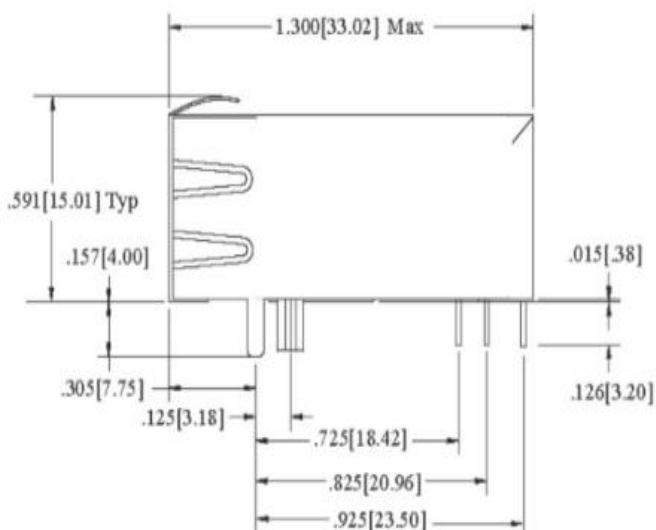
USR-K3 is an embedded TCP/IP module provide integrated solutions to build serial to ethernet connectivity while also controlling your serial device and make data transmission.

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
- Modbus TCP to Modbus RTU, work as slave
- 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
- Reload button, a key restore default Settings



#### 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	2KV electromagnetism isolation shell insulation blocking
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Auto MDI/MDIX	Yes
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##### Serial

Ports	One
Interface	TTL (UART)
Baud Rate	UART: 600 bps ~ 1024K 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 Serial	Windows 2000 or higher (32 bit/64 bit)
Configuration	Webpage/ Set-up software/ Serial command

##### Basic Parameter

Dimensions	33.02 x 19.01 x 19.15mm
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: 86-531-88826739-811

Email: sales@usriot.com

