

# USR-K2 Super Port Serial to Ethernet

## USR-K2 Introduction

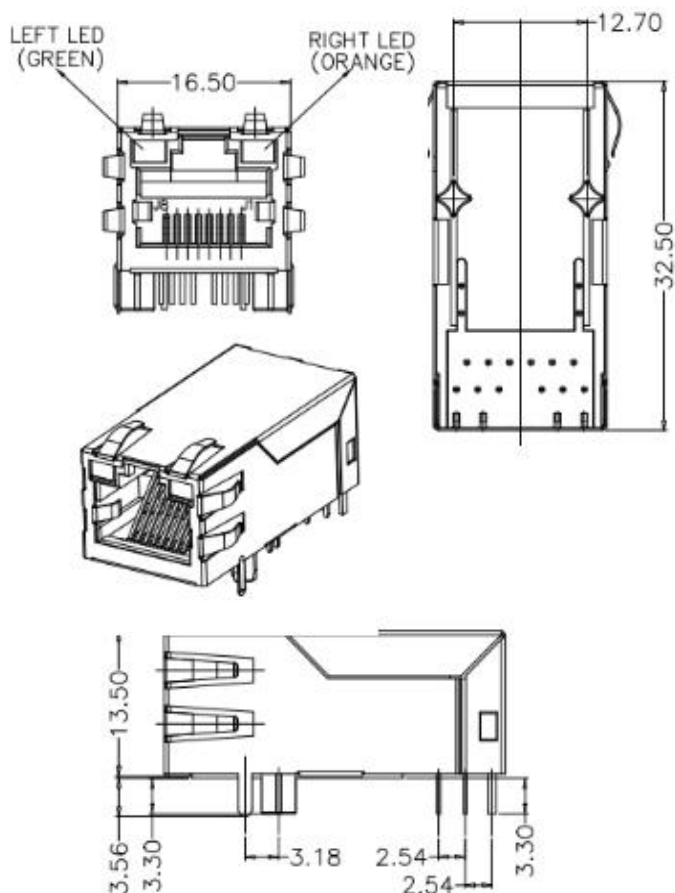
It is low-cost and multifunctional version of Super Port , an embedded type , to realize bidirectional transparent transmission between TTL and Ethernet.

User can apply K2 to your products to realize remote data acquisition, remote control and management.

## USR-K2 Features

- ◎Support DHCP / DNS.
- ◎Webset :Setting parameters through web or a serial port.
- ◎Support virtual serial port .
- ◎Upgrade firmware via network.
- ◎Support AUTO MDI / MDIX , can use a crossover cable or parallel cable connection.
- ◎Work model:TCP Server /TCP Client /UDP Server /UDP Client
- ◎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.

## USR-K2 Size( Unit : mm)



## Specification

### System information

Processor	ARM
Flash	32K byte

### Ethernet

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

### Serial

Ports	1-port
	TTL *1
Interface	Stick pin style
	3.3 V
Baud Rate	600~921K
Data Bits	5, 6, 7, 8
Stop Bit	1, 2
Check Bit	None, Even, Odd, Space, Mark
Flow Control	No
Buffer	Rx : 800K bytes ; TX : Null
Resistor	Null,reserved 485 send-recvie control pin

### Software

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

### Parameter

Dimensions	33.0 x 19.0 x 19.2 (mm)
Operating Temp	-25~ 75°C
Storage Temp	-45 ~ 105°C, 5 ~ 95% RH

### Power

Input	VCC 3.0 ~ 3.6V
Working Current	130mA (Aver) @3.3V
Consumption	<1W

### Accessories

Power Adapter	Null
DB9 cable	Null

### More

Certificate	Pending
Warranty	2 Years

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