

# USR-ES1 Serial to Ethernet Module

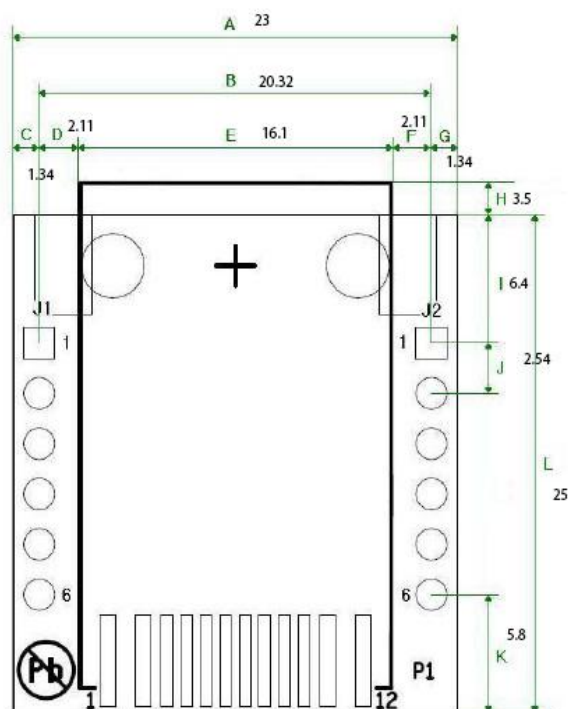
## USR-ES1 Introduction

USR-ES1 is the Ethernet module of a SPI interface , interface is TTL level of 3.3V, power supply voltage of +3.3V . Current is more than 200mA , voltage is continuous and stable +3.3V

## USR-ES1 Features

- ◎High speed SPI interface 80MHz
- ◎Hardware-TCP/IP-protocol stack user built in, almost without understanding the complex network protocol knowledge
- ◎Supports up to 8 Socket
- ◎Support TCP, UDP, ICMP, IPv4, ARP, IGMP, PPPoE protocol
- ◎Integration of the data link layer, physical layer
- ◎Support high speed serial peripheral interface (SPI model 0, 3)
- ◎Embedded 10BaseT/100BaseTX Ethernet physical layer (PHY)
- ◎Does not support the IP patch
- ◎Pin type , ultra small, convenient for embedded applications
- ◎ LED display (full duplex or half duplex, network connection, network speed,active)
- ◎Embedded 10BaseT/100BaseTX Ethernet physical layer (PHY)

## USR-ES1 Size( Unit : mm)



## Specification

### System information

Processor	W5500
Flash	32K byte

### Ethernet

Port Number	1
Interface Standard	RJ45
Rate	10/100 Mbps
Buffer	Send : 32K bytes
	Receive : 32K bytes
Network Protocol	TCP / UDP / ICMP/IPV4/ARP/IGMP/PPPoE
Protection	Null

### Serial

Ports	1
Interface	SPI ,3.3 V TTL

### Software

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

### Parameter

Dimensions	28.5*23*24 mm
Operating Temp	-25~ 75°C
Storage Temp	-40 ~ 85°C , 5 ~ 95% RH (no condensation)

### Power

Input	3.3 V
Working Current	200mA (Min) @3.3V
Consumption	<1W

### Accessories

Power Adapter	Null
DB9 cable	Null

### More

Certificate	Pending
Warranty	2 Years

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