

# ZLSN3000

## Serial to Ethernet Module

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ZL DUI 20081127.1.0



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## 1. Summary

ZLSN3000 is a serial to Ethernet module. It can transparently convert serial data to TCP/IP data, and converts TCP/IP data to serial simultaneously. It has one serial port and one Ethernet port.

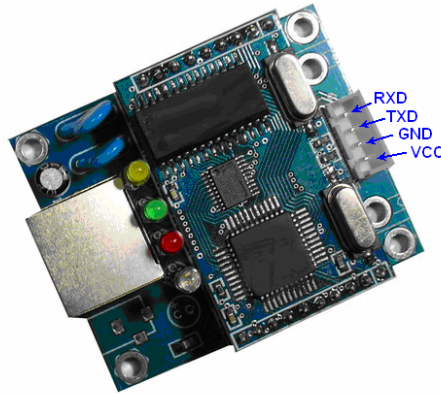


Figure 1 ZLSN3000

### 1.1. Characteristic of ZLSN3000

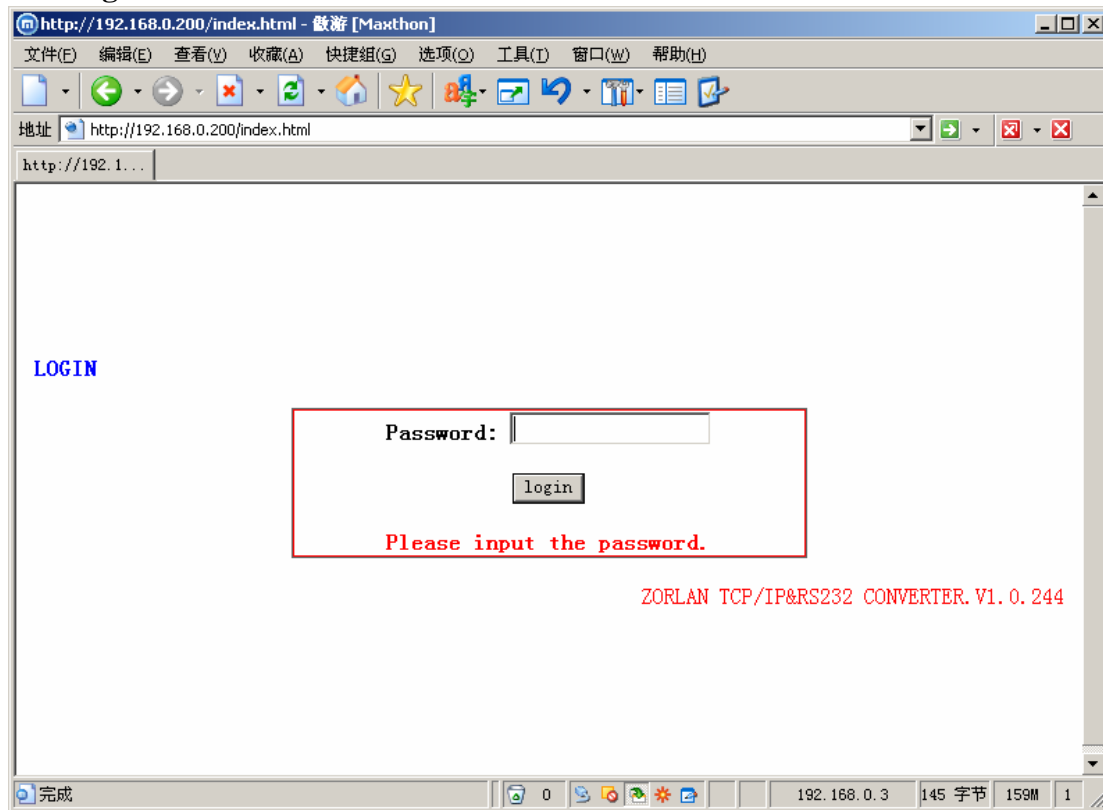
1. Full Duplex, high stability.
2. Low cost serial to Ethernet solution.
3. Support TCP Server, TCP Client, UDP mode
4. Support DHCP, DNS.
5. Serial baud rate: 1200 to 115200
6. 4 lines interface with user MCU. These are VCC (+5V), GND, TXD and RXD. Here TXD and RXD are TTL electrical power level, which can be directly connected to user's MCU UART pins.

## 2. Parameters

Figure		Portocol support		
Connecting type:	RJ45 and 4pins port	TCP, UDP ,HTTP, ARP, ICMP, DHCP, DNS		
Dimension:	43 x 53mm	Work mode		
Communication interface		TCP SERVER, TCP CLIENT, UDP		
Ethernet:	10/100Mbps	Power		
Serial:	TTL(5V): RXD, TXD,CTS, RTS	Power:	DC5V(± 5%), less than 45mA	
Serial parameters		Envirment require		
Baund rate:	1200~115200bps	Temperature:	Commerce	0~70℃
			Industry:	-20~85℃
Parity:	None, Odd, Even, Mark, Space	Storage:	Commerce	-40~85℃
			Industry:	-40~120℃
Databits:	5-8			
Flow control:	RTS/CTS, NONE			

### 3. Use web to config ZLSN3000

#### Login:



#### Net parameters:

Tel:(021)64412502

Fax: 64869810

http://www.zlmcu.com

http://192.168.0.200/ip.html - 傲游 [Maxthon]

文件(F) 编辑(E) 查看(V) 收藏(A) 快捷组(G) 选项(O) 工具(T) 窗口(W) 帮助(H)

地址 http://192.168.0.200/ip.html

http://192.168.0.200/ip.html

### IP Paramters Setting

IP Mode: Static IP

IP Addr: 192.168.0.200

NetMask: 255.255.255.0

GateWay: 192.168.0.1

Work Mode: TCP Server

Local Port: 1024

Dest Mode: Dynamic

Dest Port: 1024

Dest IP: 192.168.0.3

Device Name: test\_dev

logout

SUBMIT

完成 0 192.168.0.3 0 字节 385M 1

### Serial parameters:

http://192.168.0.200/serial.html - 傲游 [Maxthon]

文件(F) 编辑(E) 查看(V) 收藏(A) 快捷组(G) 选项(O) 工具(T) 窗口(W) 帮助(H)

地址 http://192.168.0.200/serial.html

http://192.168.0.200/serial.html

### Serial Setting

Baudrate: 115200

Data Bits: 8

Parity: None

Stop bits: 1

Flow Control: None

Packing length: 1300 (byte)

Gap time: 255 (ms)

Frame Start Byte (Hex):0x

Frame End Byte (Hex):0x

logout

SUBMIT

完成 0 192.168.0.3 0 字节 232M 1

**Modify login key:**

http://192.168.0.200/key.html - 傲游 [Maxthon]

文件(F) 编辑(E) 查看(V) 收藏(A) 快捷组(G) 选项(O) 工具(T) 窗口(W) 帮助(H)

地址 http://192.168.0.200/key.html

http://192.168.0.200/key.html

IP Parameters  
Serial Parameters  
Modify Password

logout

### Modify Password

New Password:

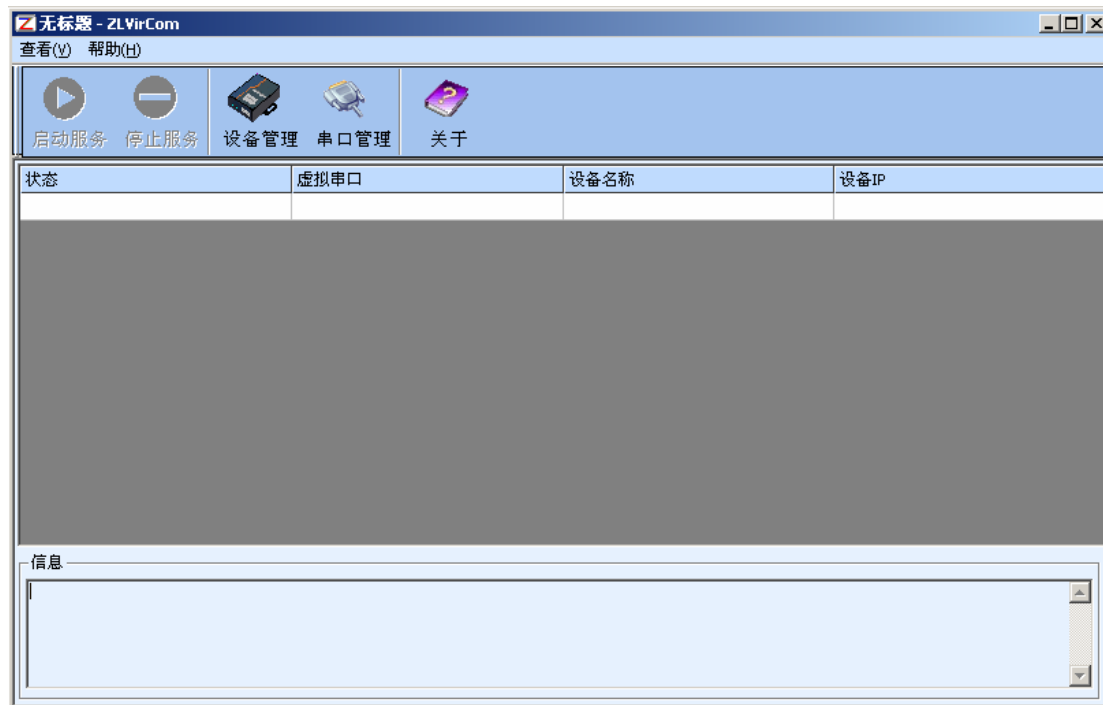
Retype Password:

SUBMIT

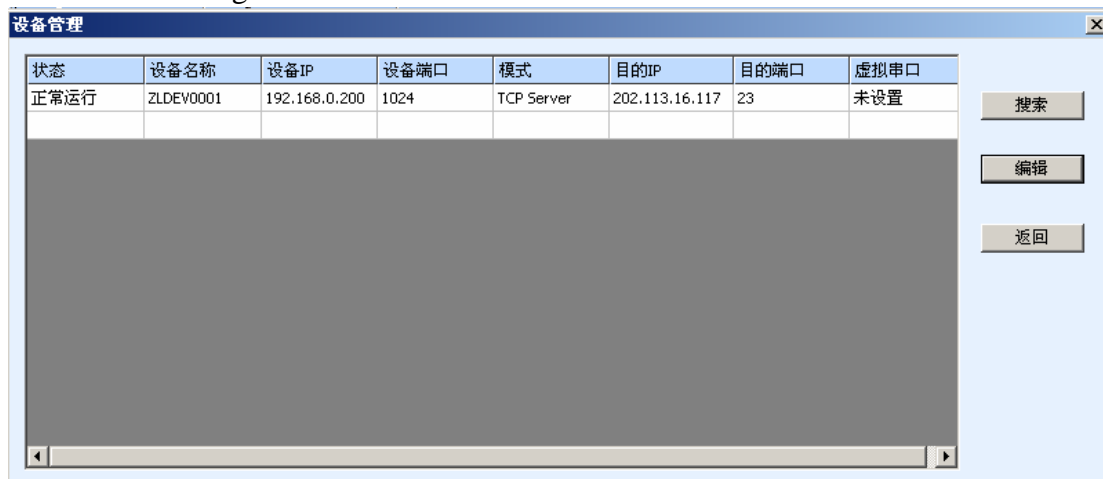
0 192.168.0.3 40 字节 153M 1

## 4. Use VirCom windows utility to config

### 1. Run VirCom:



Device management:



Parameter setting:



设备设置			
虚拟串口	不使用	设备名称	test_d11
串口设置		网络设置	
波特率	115200	IP模式	Static IP
校验方式	None	IP地址	192.168.0.200
数据位	8	子网掩码	255.255.255.0
停止位	1	网关IP	192.168.0.1
流控	None	工作模式	UDP
分包规则		本地端口	1025
最大包长	1300 (byte)	目的模式	Dynamic
最长间隔	255 (ms)	目的IP	192.168.0.3
帧首字符 0x	(Hex)	目的端口	5678
帧尾字符 0x	(Hex)		
		修改设置	取消