

ZLSN3000

Serial to Ethernet
Module

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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.

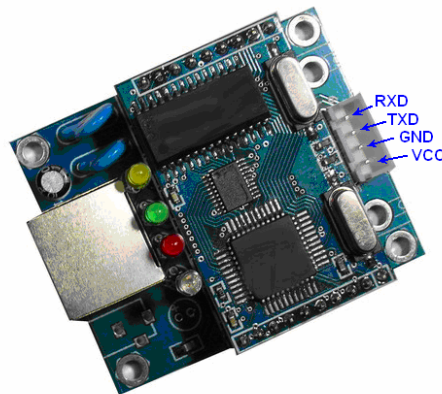


Figure 1 ZLSN3000

1.1. Characteristic of ZLSN3000

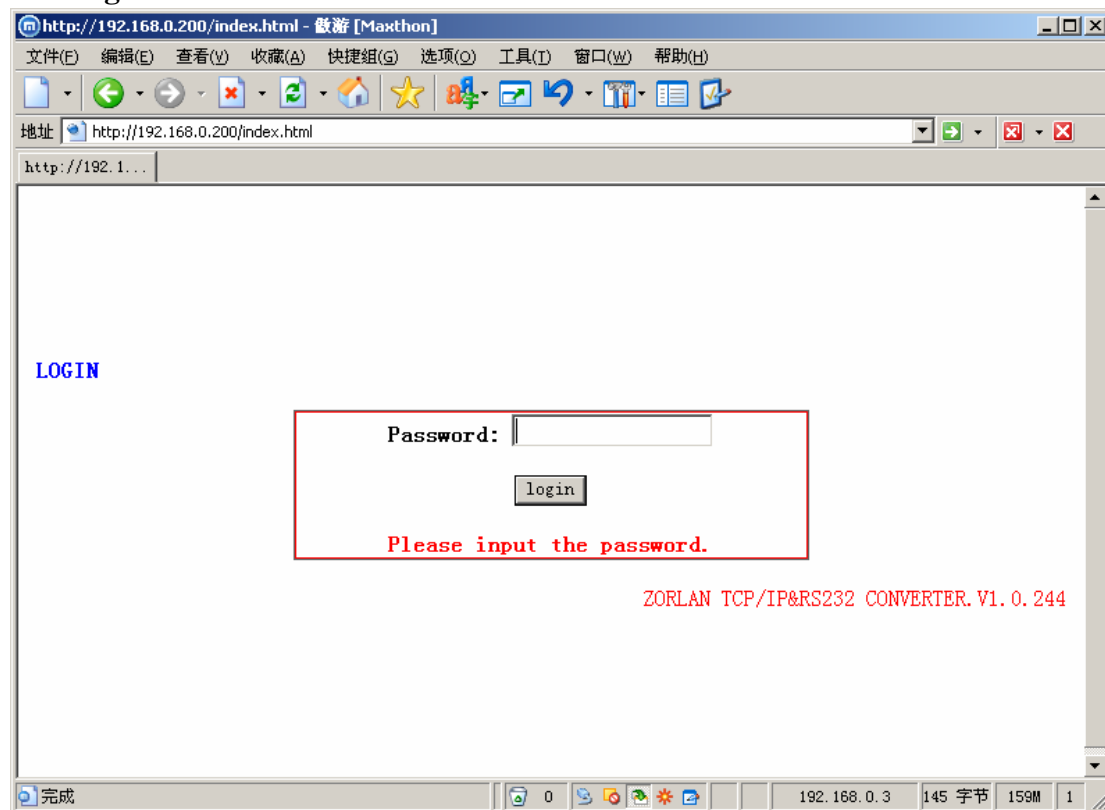
1. Full Duplex, high stability.
2. Low cost serial to Ethernet solution.
3. Support TCP Server, TCP Client, UDP mode
4. Support DHCP, DNS.
5. Serial baud rate: 1200 to 115200
6. 4 lines interface with user MCU. These are VCC (+5V), GND, TXD and RXD. Here TXD and RXD are TTL electrical power level, which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

2. Parameters

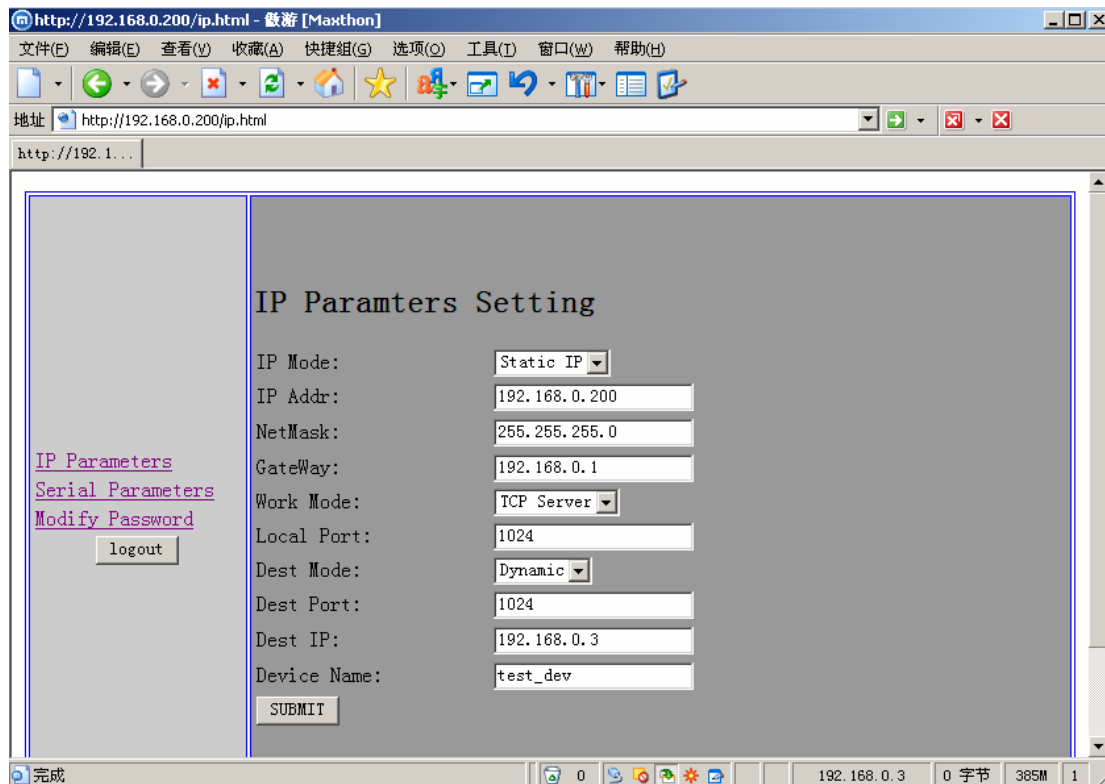
Figure		Portocol support		
Connecting type:	RJ45 and 4pins port	TCP, UDP ,HTTP, ARP, ICMP, DHCP, DNS		
Dimension:	43 x 53mm	Work mode		
Communication interface		TCP SERVER, TCP CLIENT, UDP		
Ethernet:	10/100Mbps	Power		
Serial:	TTL(5V): RXD, TXD,CTS, RTS	Power:	DC5V(±5%), less than 45mA	
Serial parameters		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

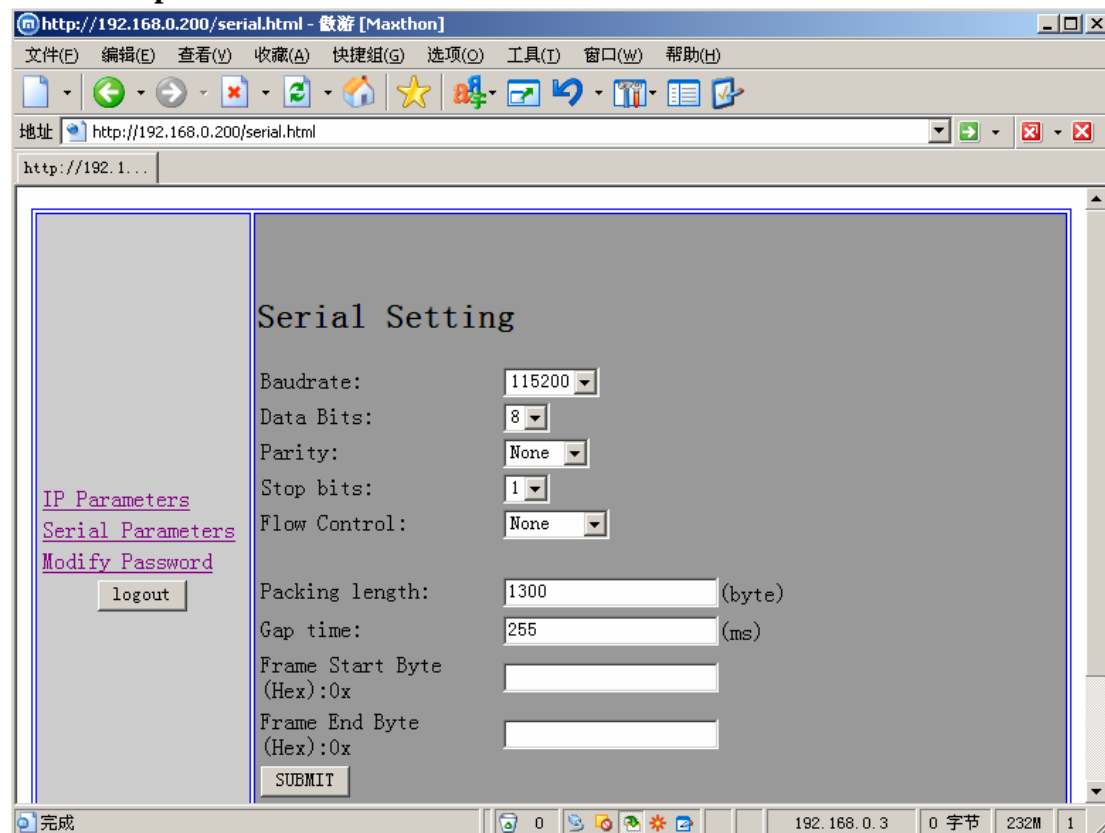
Login:



Net parameters:



Serial parameters:



Modify login key:

The screenshot shows a web browser window with the address bar displaying `http://192.168.0.200/key.html`. The browser's menu bar includes options like 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), and 帮助(H). The toolbar contains various navigation and utility icons. The address bar shows the full URL, and the status bar at the bottom indicates the current page is `192.168.0.3` with a size of `40 字节` and a total of `153M`.

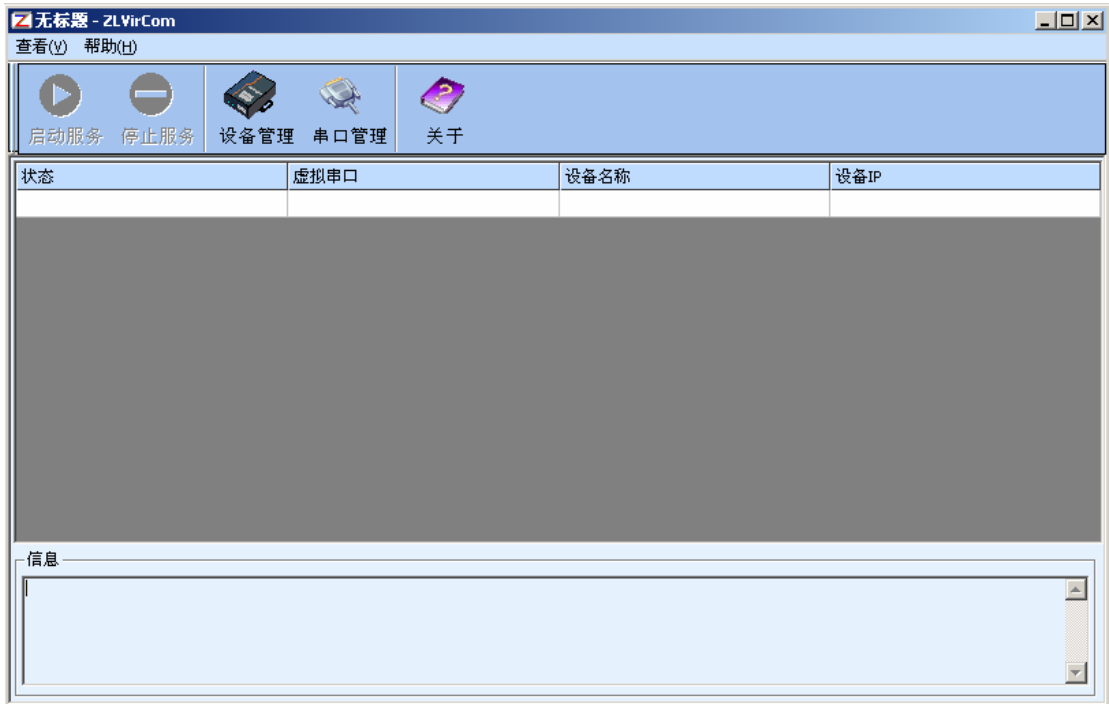
The main content area of the browser displays a web page titled "Modify Password". On the left side of the page, there is a vertical navigation menu with three links: [IP Parameters](#), [Serial Parameters](#), and [Modify Password](#). Below these links is a `logout` button. The main content area on the right contains the title "Modify Password" and two input fields labeled "New Password:" and "Retype Password:". Below these fields is a `SUBMIT` button.

Field	Value
New Password:	
Retype Password:	

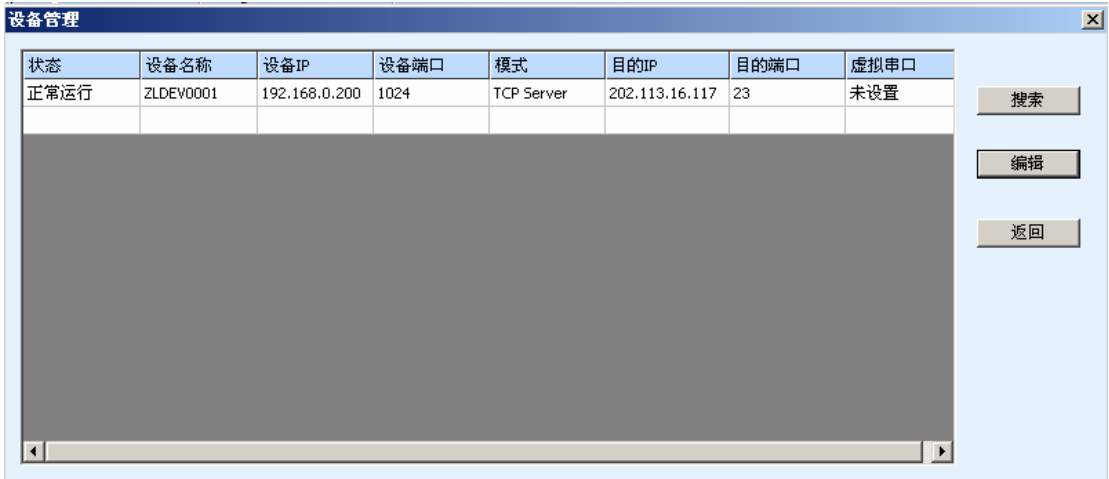
`SUBMIT`

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

串口设置

波特率

115200

校验方式

None

数据位

8

停止位

1

流控

None

分包规则

最大包长

1300

(byte)

最长间隔

255

(ms)

帧首字符 0x

(Hex)

帧尾字符 0x

(Hex)

设备名称

test_d11

网络设置

IP模式

Static IP

IP地址

192.168.0.200

子网掩码

255.255.255.0

网关IP

192.168.0.1

工作模式

UDP

本地端口

1025

目的模式

Dynamic

目的IP

192.168.0.3

目的端口

5678

修改设置

取消