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.

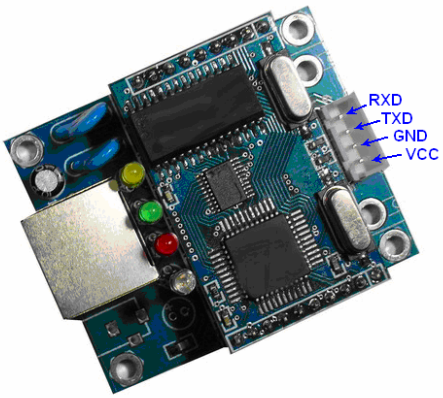


Figure 1 ZLSN3000

1.1. Characteristic of ZLSN3000

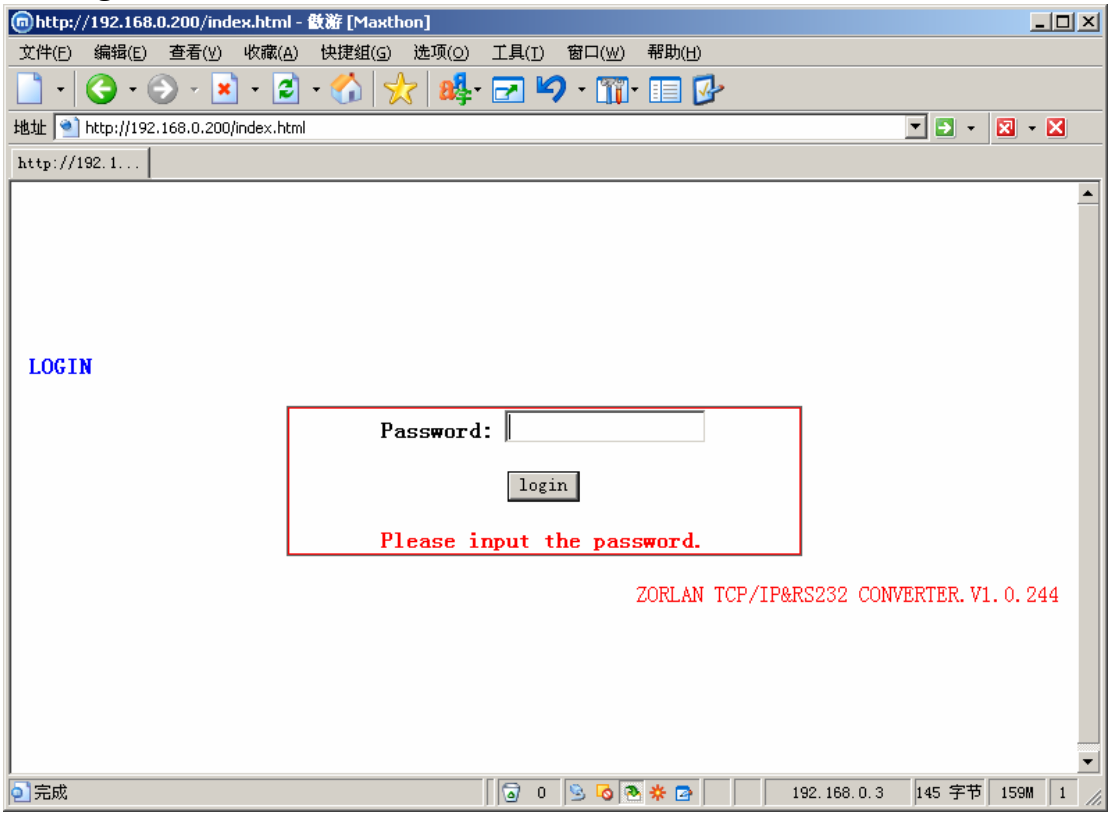
1. Full Duplex, high stability.
2. Low cost serial to Ethernet solution.
3. Support TCP Server, TCP Client, UDP mode
4. Suppor DHCP, DNS.
5. Serial baund rate: 1200 to 115200
6. 4 lines interface with user MCU. These are VCC (+5V), GND, TXD and RXD. Here TXD and RXD are TTL electrical power level, which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

2. Parameters

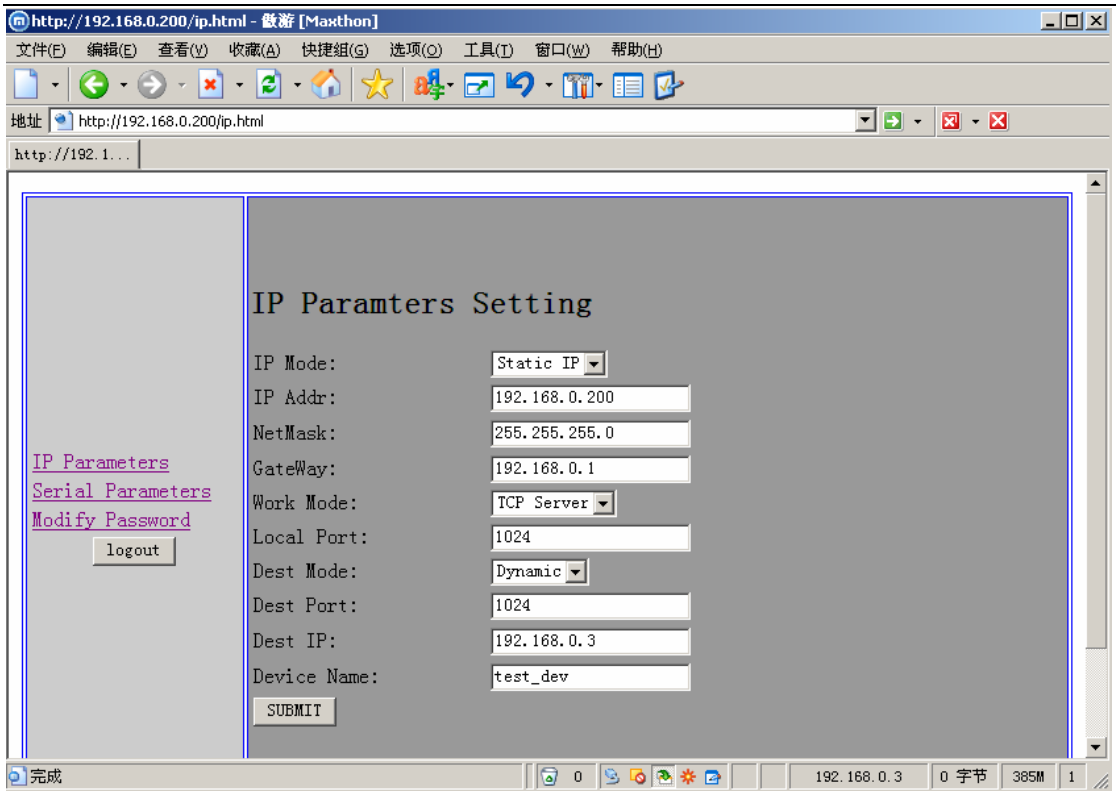
Figure		**Portocol support**		
Connecting type:	RJ45 and 4pins port	TCP, UDP ,HTTP, ARP, ICMP, DHCP, DNS		
Dimension:	43 x 53mm	**Work mode**		
Communication interface		TCP SERVER, TCP CLIENT, UDP		
Ethernet:	10/100Mbps	**Power**		
Serial:	TTL(5V): RXD, TXD,CTS, RTS	Power:	DC5V(±5%), less than 45mA	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

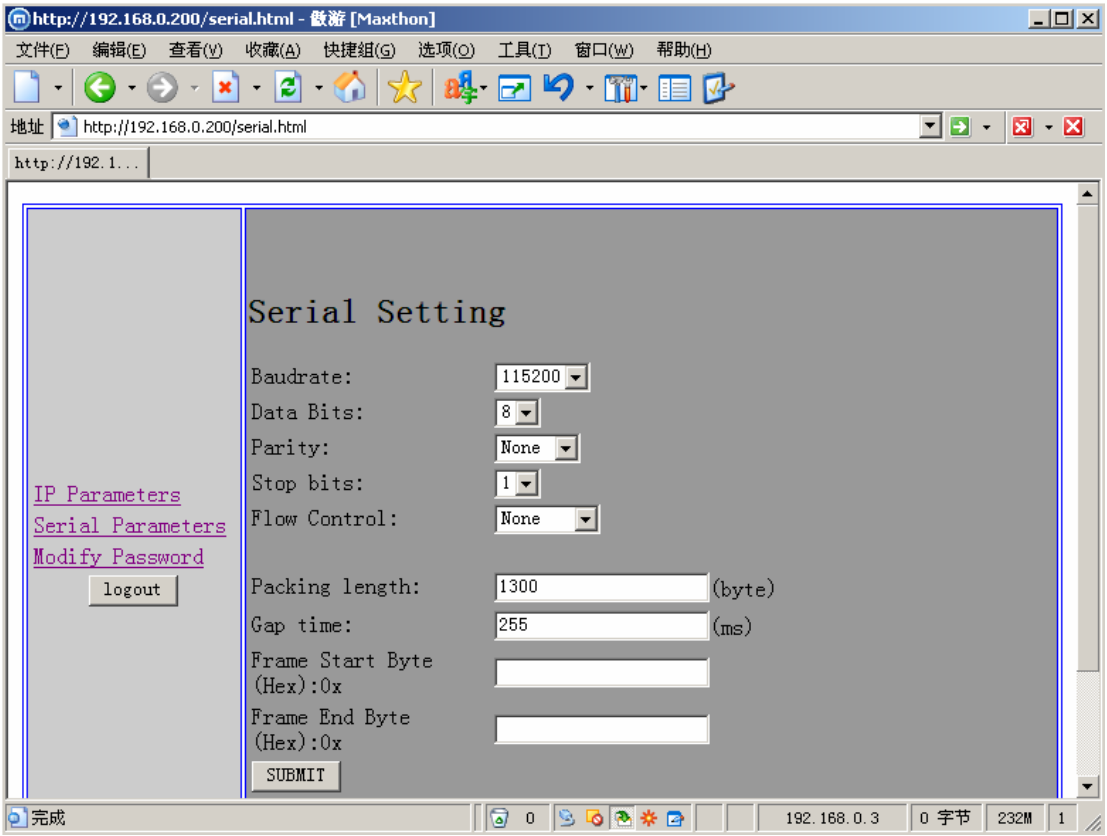
Login:



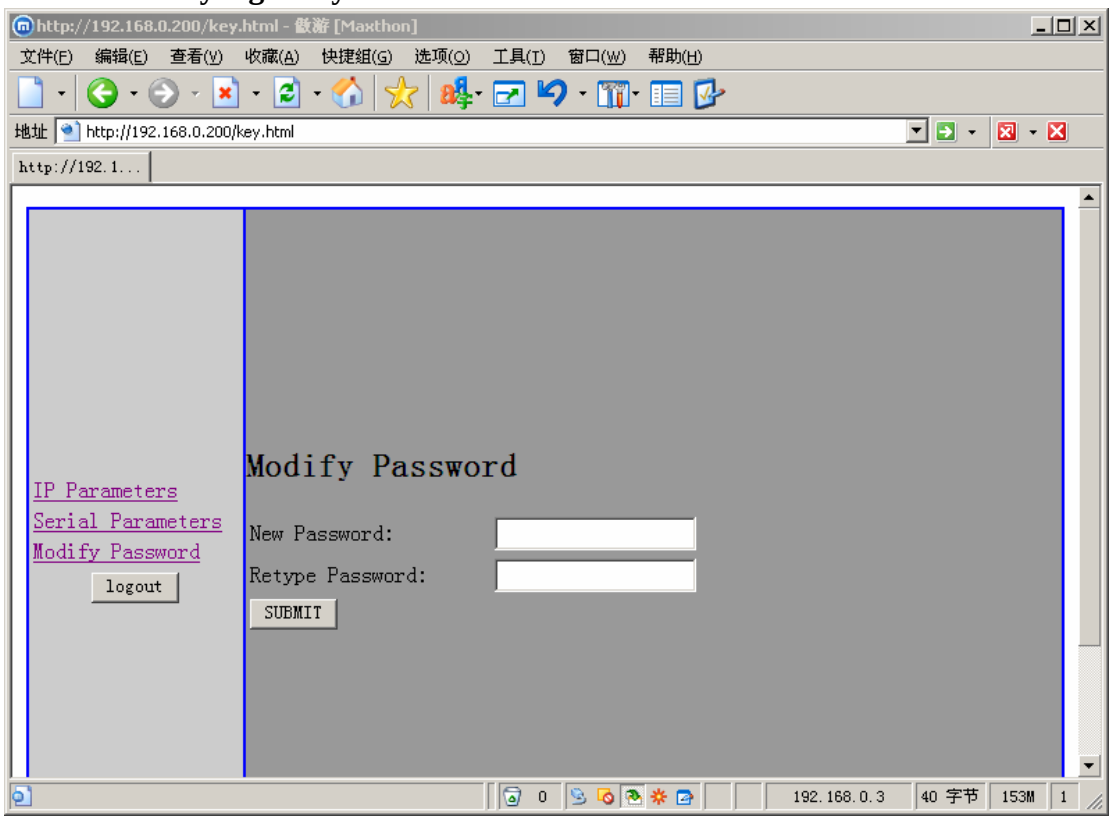
Net parameters:



Serial parameters:

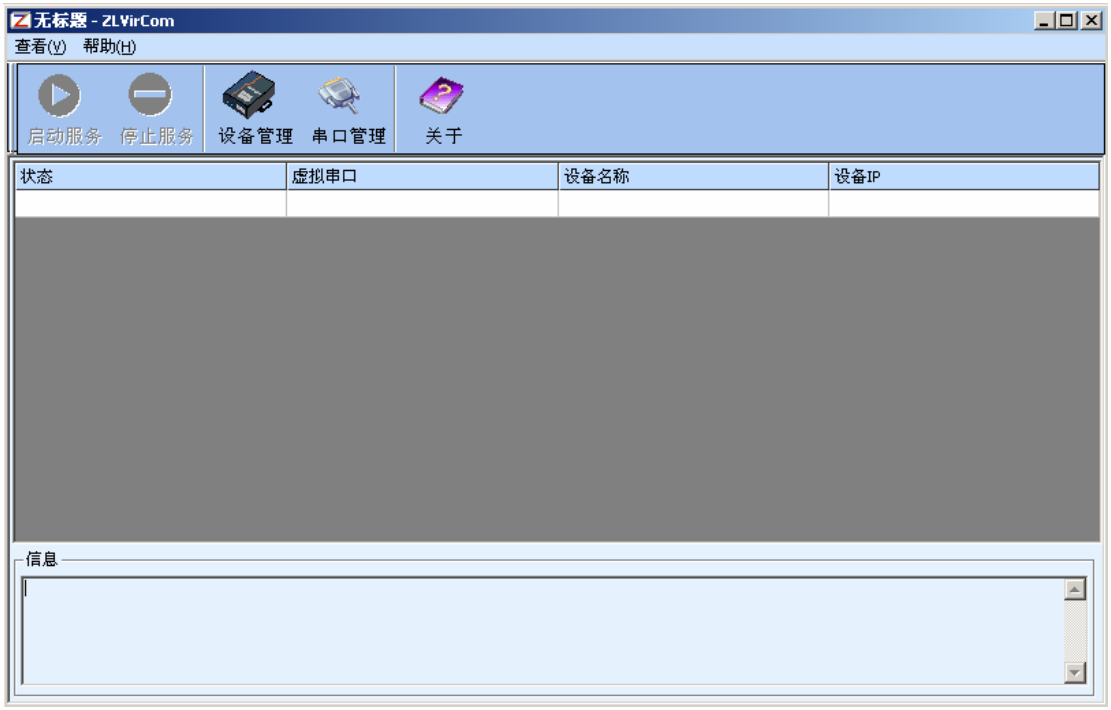


Modify login key:

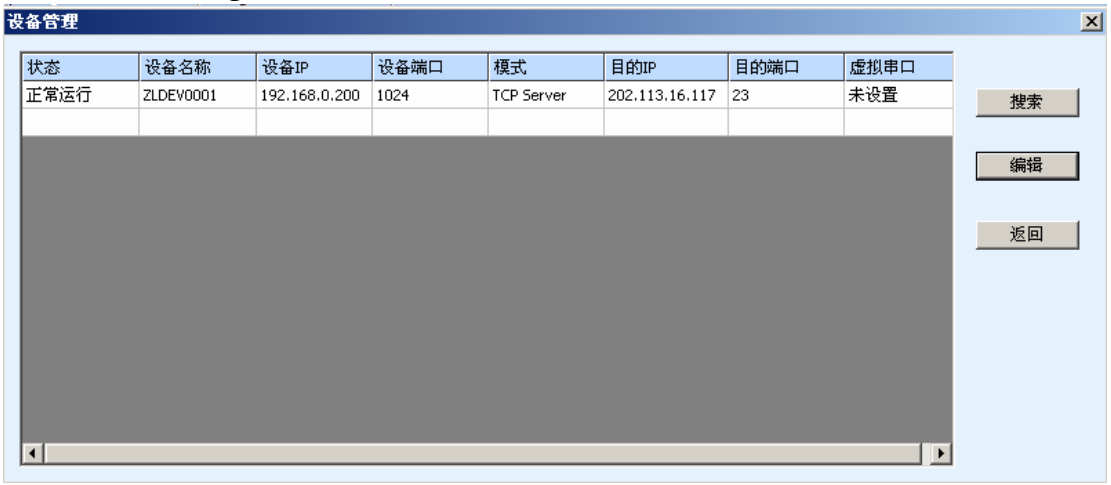


4. Use VirCom windows utility to config

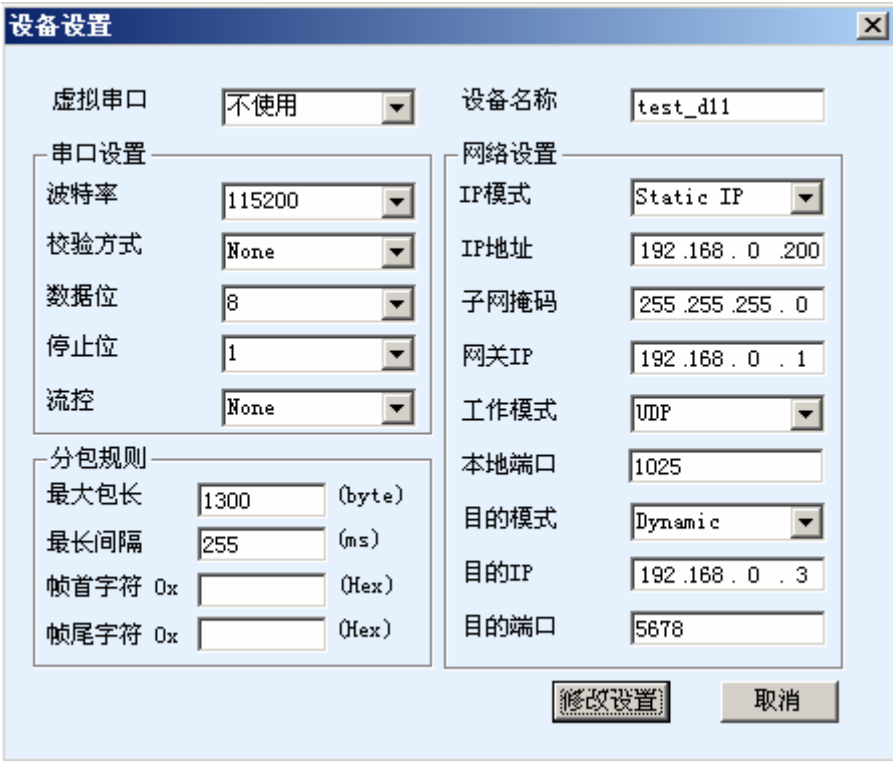
1. Run VirCom:



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
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)
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