

Preparation method of 9421

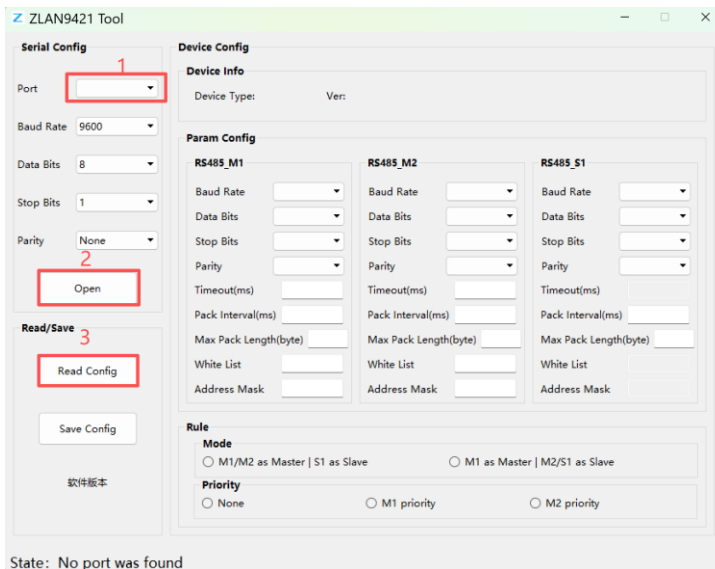
1. Connect a 485 to sub serial port cable to port M1 for configuration.

The wiring is as follows:

Figure 1



2. Prepare using the zlan9421_tool.



The M1 of 9421 is for configuring the serial port. After wiring, fill in the corresponding serial port parameters, then click "Open Serial Port". Once it is successfully opened, click the "Read Parameters" button to obtain all the parameters of the device. After modifying the parameters, click the "Save and

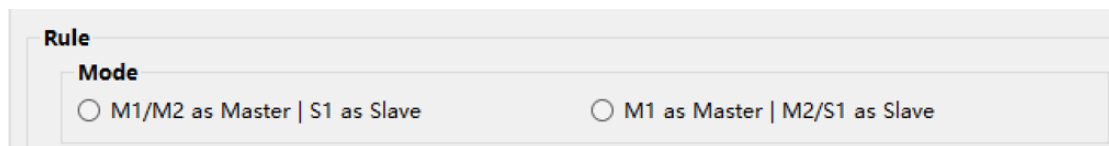
Set" button. When the status prompt shows "Configuration completed", it indicates that the Settings have been successful.

3 Content description of Settings

3.1

Two masters and one slave: The devices connected to M1 and M2 are master stations, and the devices connected to S1 are slave stations

One master and two slaves: The equipment connected to M1 is the master station, and the equipment connected to M2 and S1 are slave stations

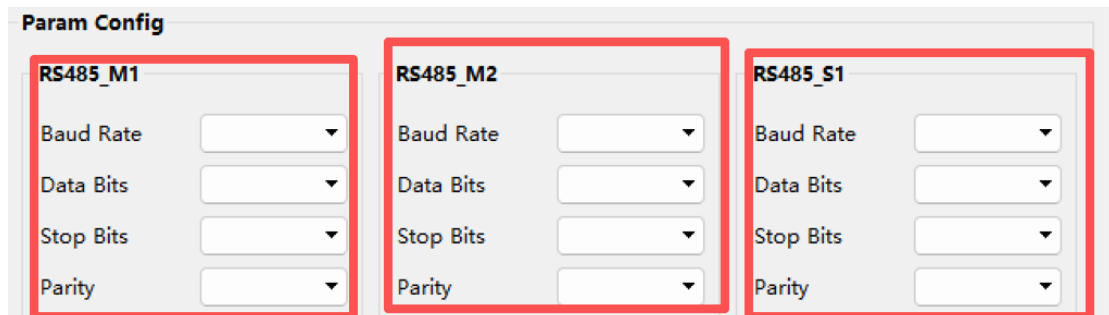


Rule

Mode

☐ M1/M2 as Master | S1 as Slave ☐ M1 as Master | M2/S1 as Slave

3.2 Moreover, the serial port parameters corresponding to the slave station s1 and the master station M1/2 need to be the same as those of the 485 devices they correspond to. If the serial port parameters of the three connected 485 devices are different, we can also achieve the conversion of different serial port parameters.



Param Config

RS485_M1	RS485_M2	RS485_S1
Baud Rate	Baud Rate	Baud Rate
Data Bits	Data Bits	Data Bits
Stop Bits	Stop Bits	Stop Bits
Parity	Parity	Parity

3.3 This parameter can be configured as follows

参数配置

RS485_M1	RS485_M2	RS485_S1
波特率: 9600	波特率: 9600	波特率: 9600
数据位: 8	数据位: 8	数据位: 8
停止位: 1	停止位: 1	停止位: 1
校验位: None	校验位: None	校验位: None
超时时间(ms): 2000	超时时间(ms): 2000	超时时间(ms):
分包时间(ms): 20	分包时间(ms): 20	分包时间(ms): 20
最大数据包大小(byte): 1024	最大数据包大小(byte): 1024	最大数据包大小(byte): 1024
白名单: 0	白名单: 0	白名单:
地址掩码: 0	地址掩码: 0	地址掩码:

运行规则

运行模式

☒ 两主一从 (S1为从, M1、M2为主) ☐ 一主两从 (M2、S1为从, M1为主)

优先级

☒ 不设置 ☐ M1优先 ☐ M2优先

4 Product reset

Short-circuit the RESET and GND interfaces of the device for more than 5 seconds to restore the factory default parameters of the 9421.