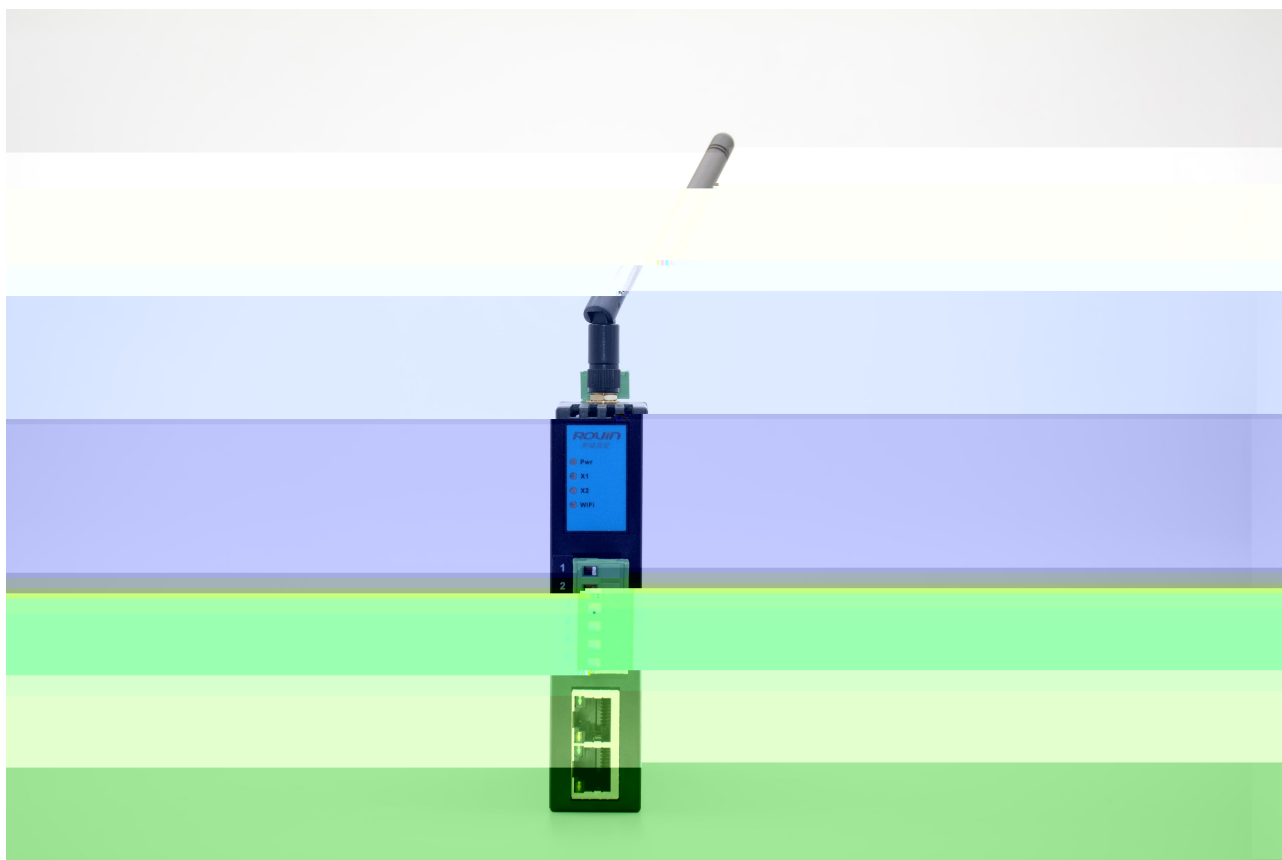




RVNet-XMB-S

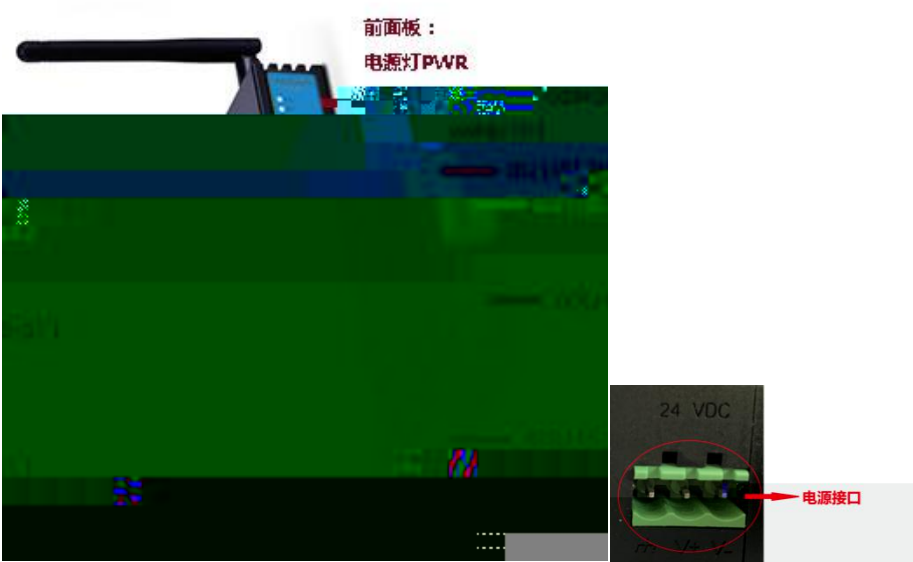
S7

ModbusRTU/TCP



2.

2.1



2.2

RVNet-XMB-S	6	X1	X2	RJ45	X3	RJ45	X4
X							

1	_____	TX+			
2	_____	TX-			
3	_____	RX+			
6	_____	RX-			
	Link	Active	10/100M		T568A/
T568B					

2.2.3 24VDC X5

X5	RVNet-XMB-S	24VDC	24VDC±20%/100mA
		24VDC	

2.2.4 WiFi X6

2.3



2.4

RVNet-XMB-S	LED	Pwr	BUS	
LAN	WiFi			
	Pwr	BUS	LAN	WiFi

3.

RVNet-XMB-S

3.1

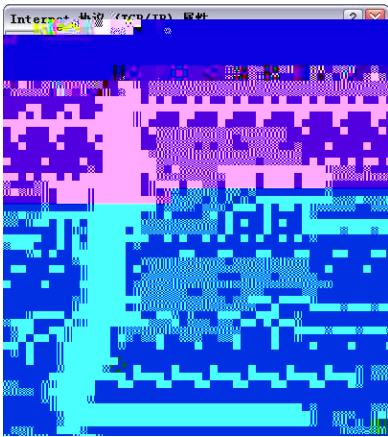
RVNet-XMB-S 24VDC Pwr WiFi
AP WiFi

3.2

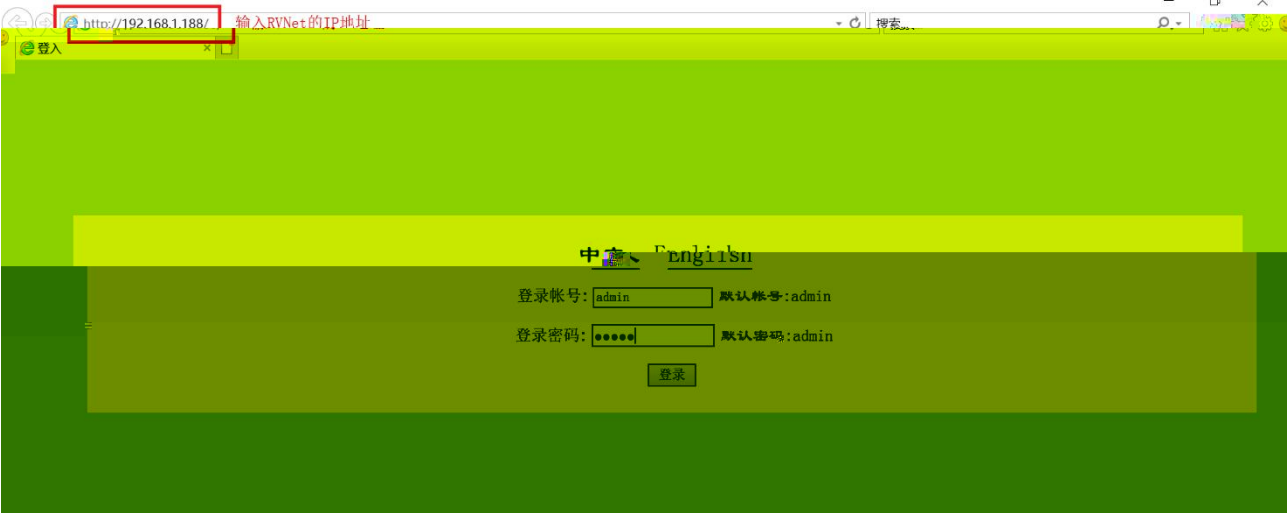
Web

RVNet-XMB-S RJ45

IP 192.168.1.100



Internet Explorer 192.168.1.188 RVNet-XMB-S IP
RVNet-XMB-S Web .



PLC
LAN IP

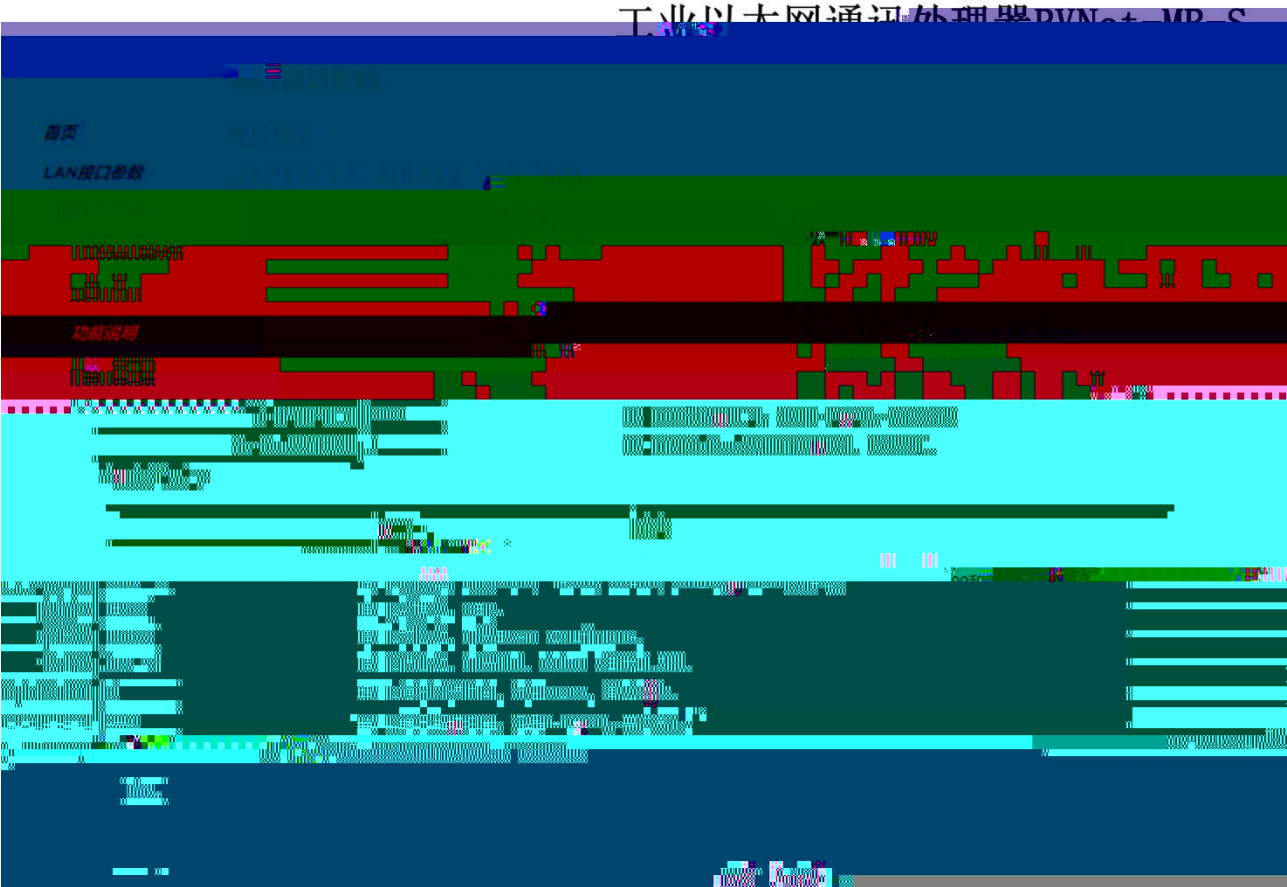
3.2.1 LAN



PLC	IP	PLC	IP	
LAN	IP	LAN	IP	192.168.1.188
	PLC			
Modbus TCP	RVNet-XMB-S	Modbus TCP	502	

RVNetS7	1099				
SmartIE	SmartIE		S71200	S71500	PLC
SmartIE	Mapping	SmartIE	1200	PLC	V DB

3.2.3



Modbus Modbus



30ms

: 3000ms

Modbus Modbus

3.2.2 WIFI



Station

AP



RVNet-XMB-S
RVNet-XMB-S

4.WiFi

RVNet-XMB-S WiFi RVNet-XMB-S AP+STATION AP
× Station ㊦ a .

4.1 Station

RVNet-XMB-S AP ㊦



2. “Station()” “ AP ”



3. “ ” “ ”



4. “ ” “ ” “ ”
Station IP “ IP ”
Station DHCP IP “ IP ” IP

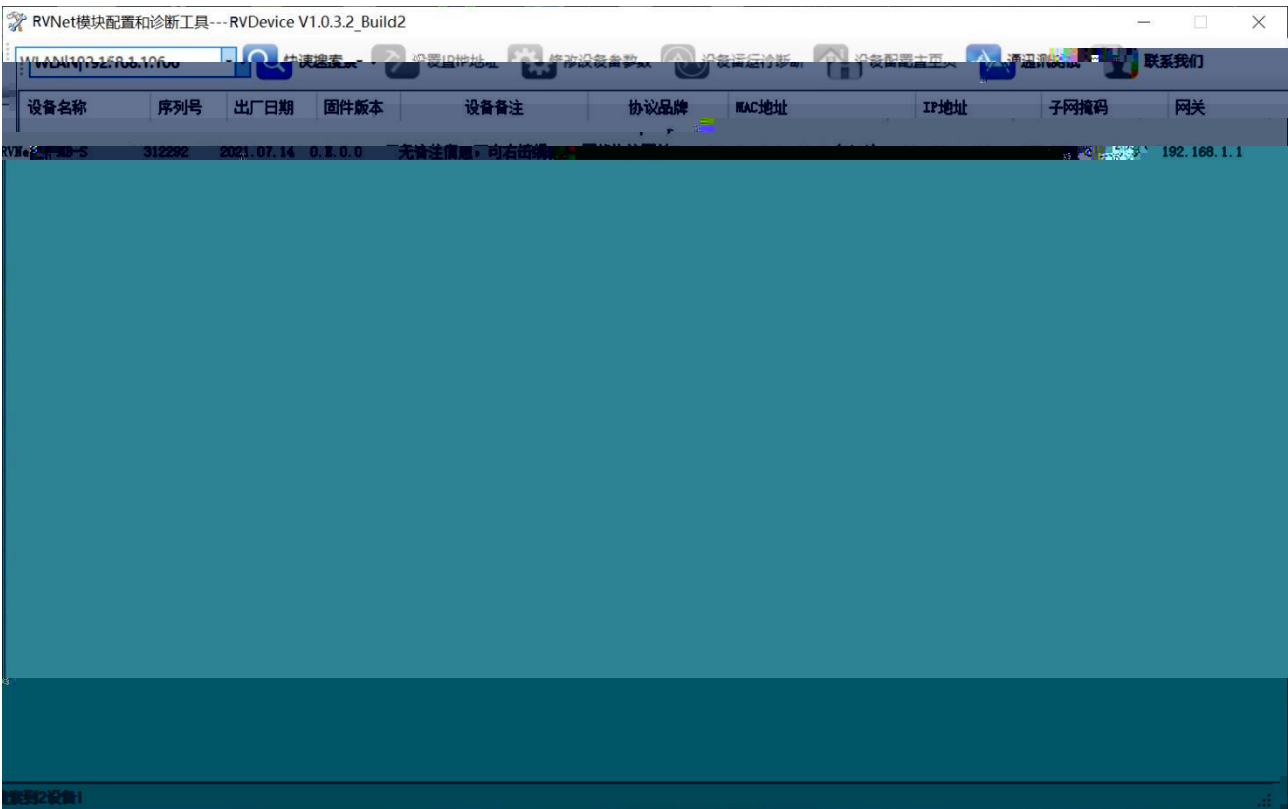


5. “ ”



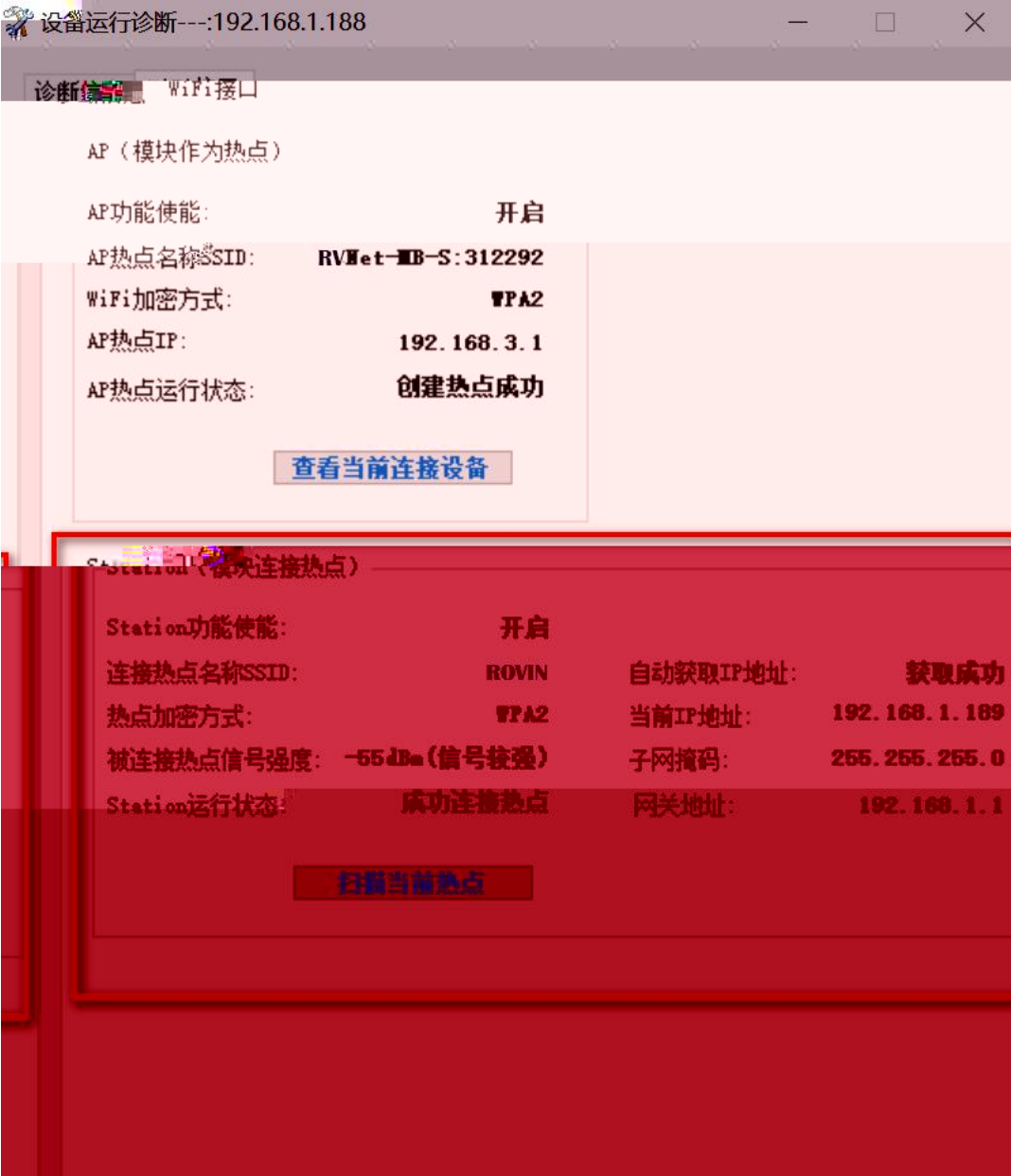
4.1.2 Station

1.
- AP
- AP
- NetDevice



2.
- Station
- IP
- IP
- (WiFi)
- (WiFi)
- PLC
- Station
- AP

A) NetDevice



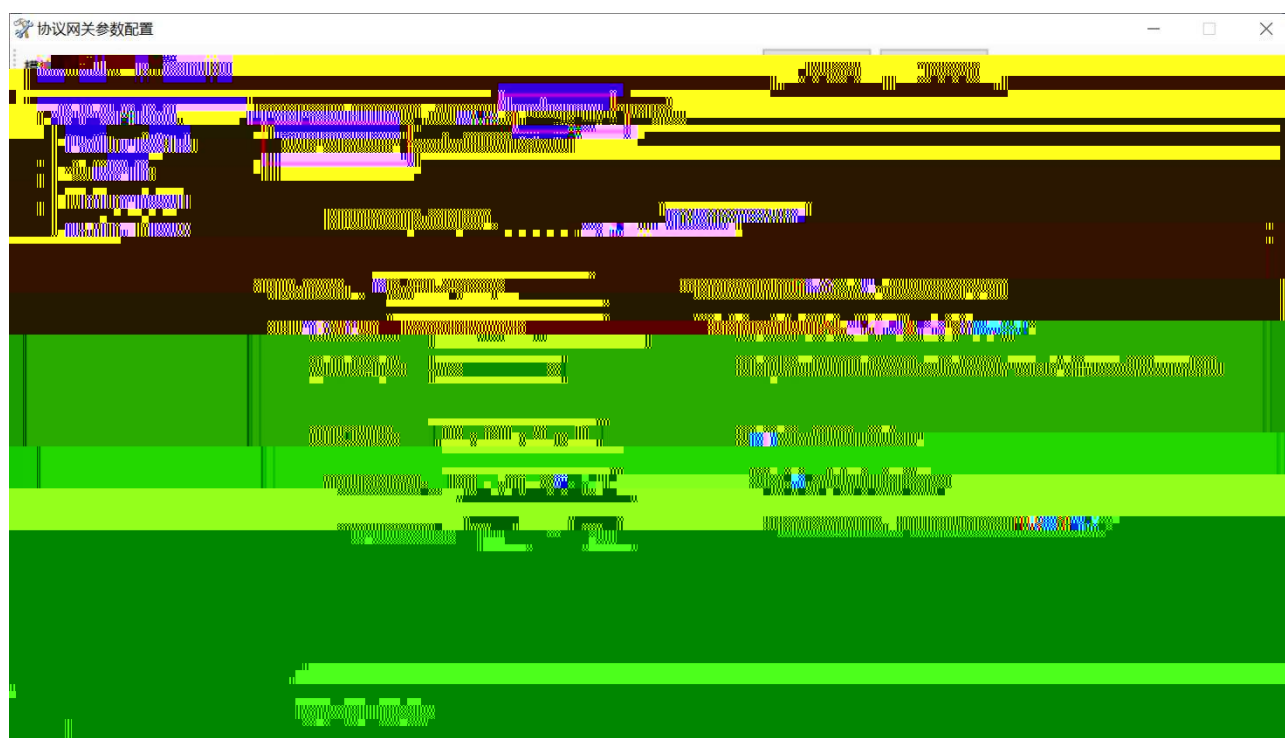
NetDevice “ ” “WiFi
”>“Station()” Station “ ”
“-55dBm()” IP “192.168.1.189”

4.2 AP

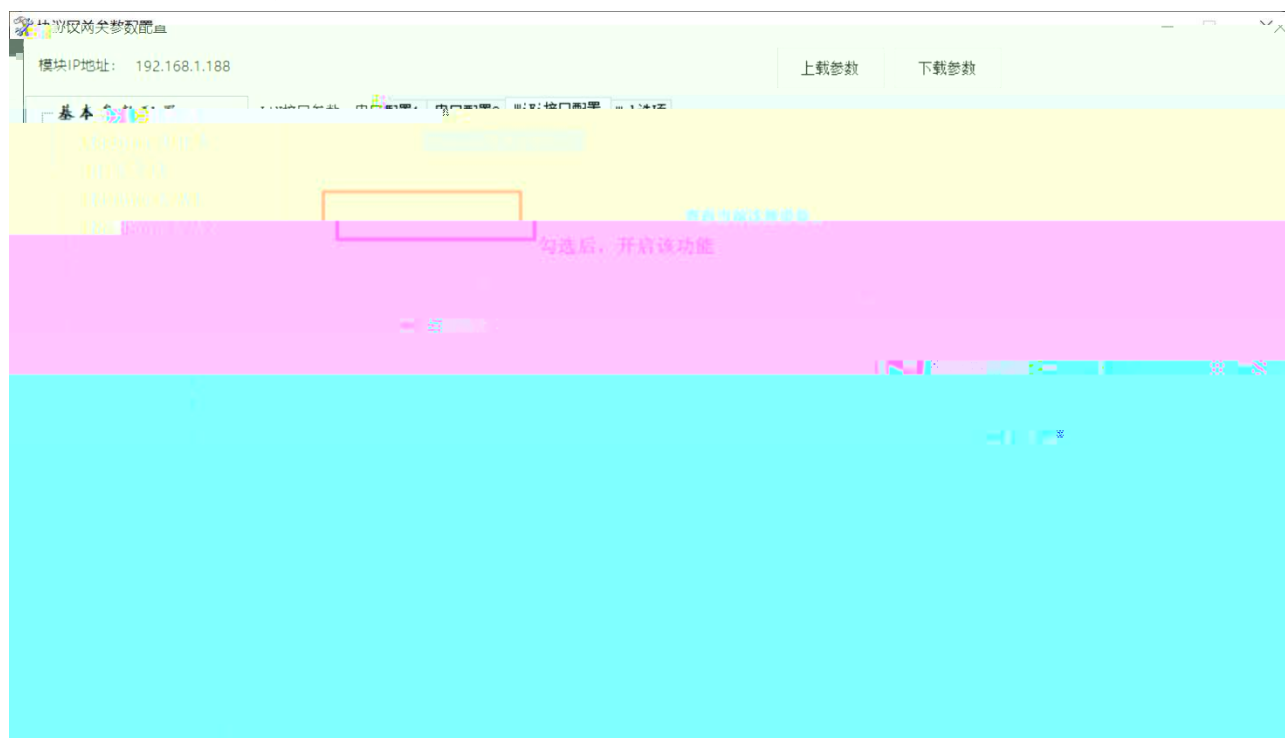
RVNet-XMB-S AP WiFi Station
PLC

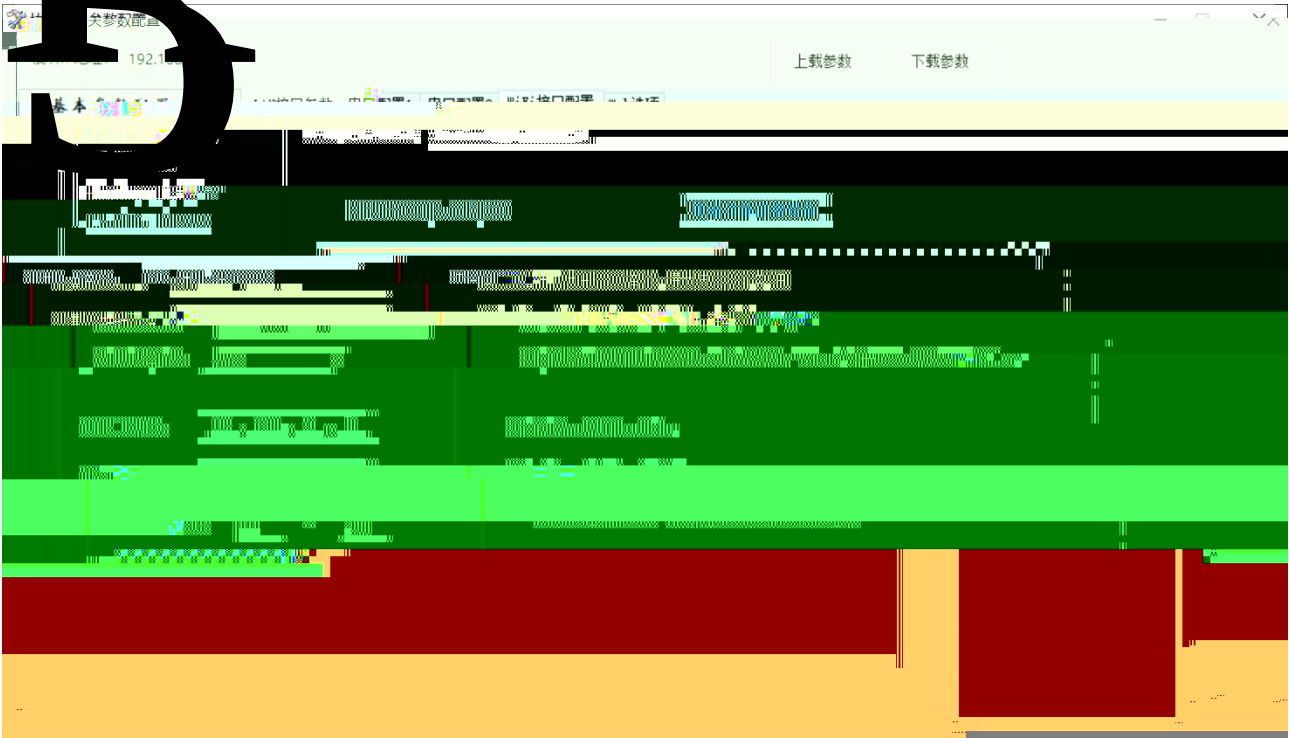
4.2.1 AP

- 1. “ NetDevice ”



2. “AP()” “ AP ”

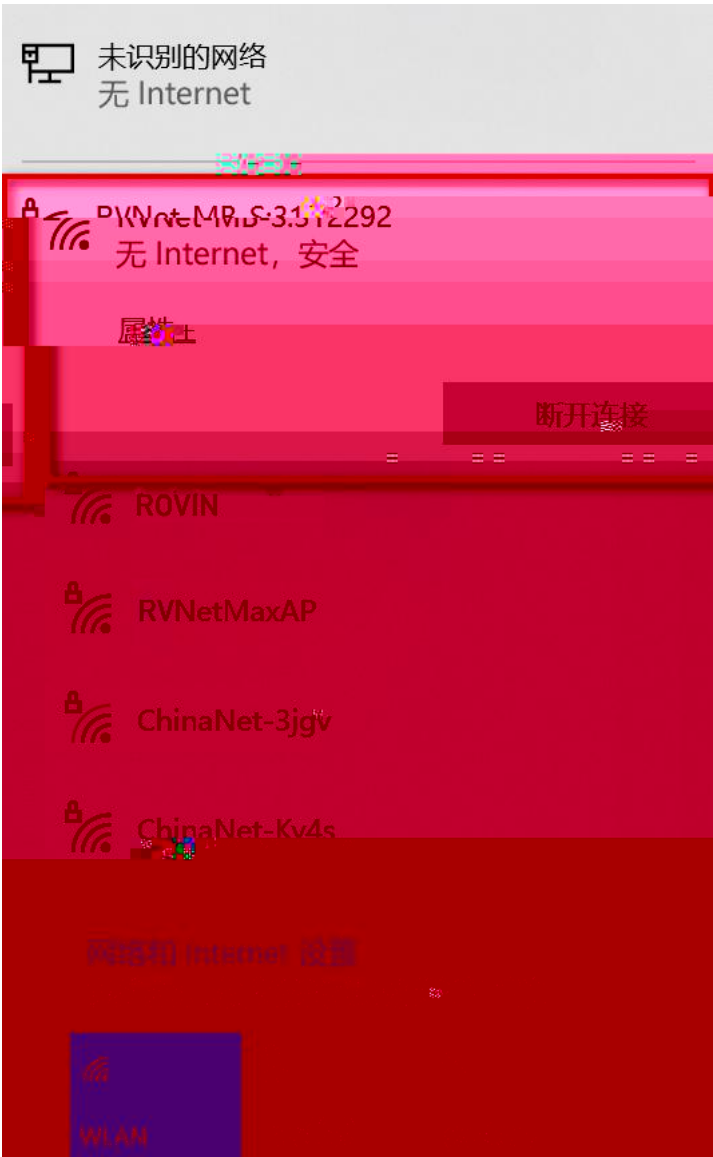




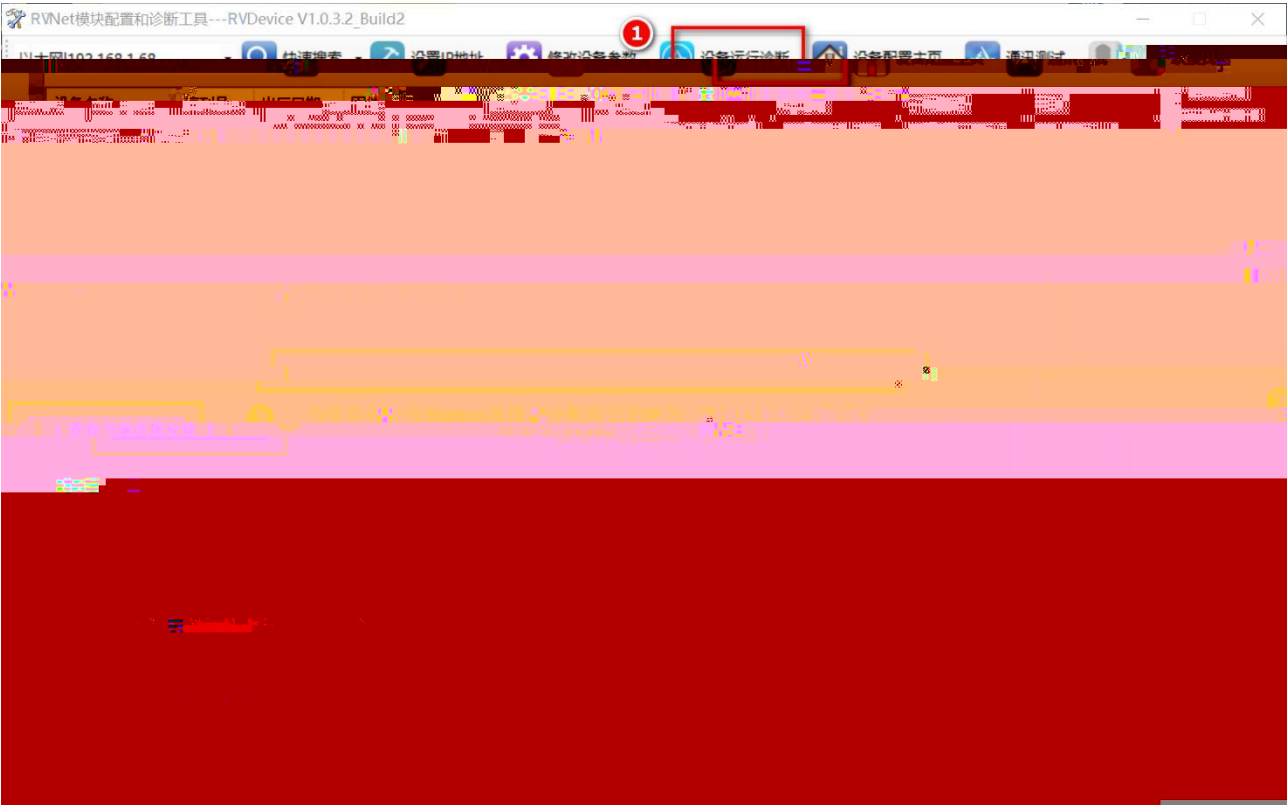
- A “ ” “RVNet-XMB-S:XXXXXX” “XXXXXX”
- B “ ” “12345678” 8
- C “ ” WEP WPA WPA2 WAP2
- D “AP IP ” AP IP 192.168.3.1 255.255.255.K, Æ

4.2.2 AP

1. “RVNet-XMB-S:XXXXXX”



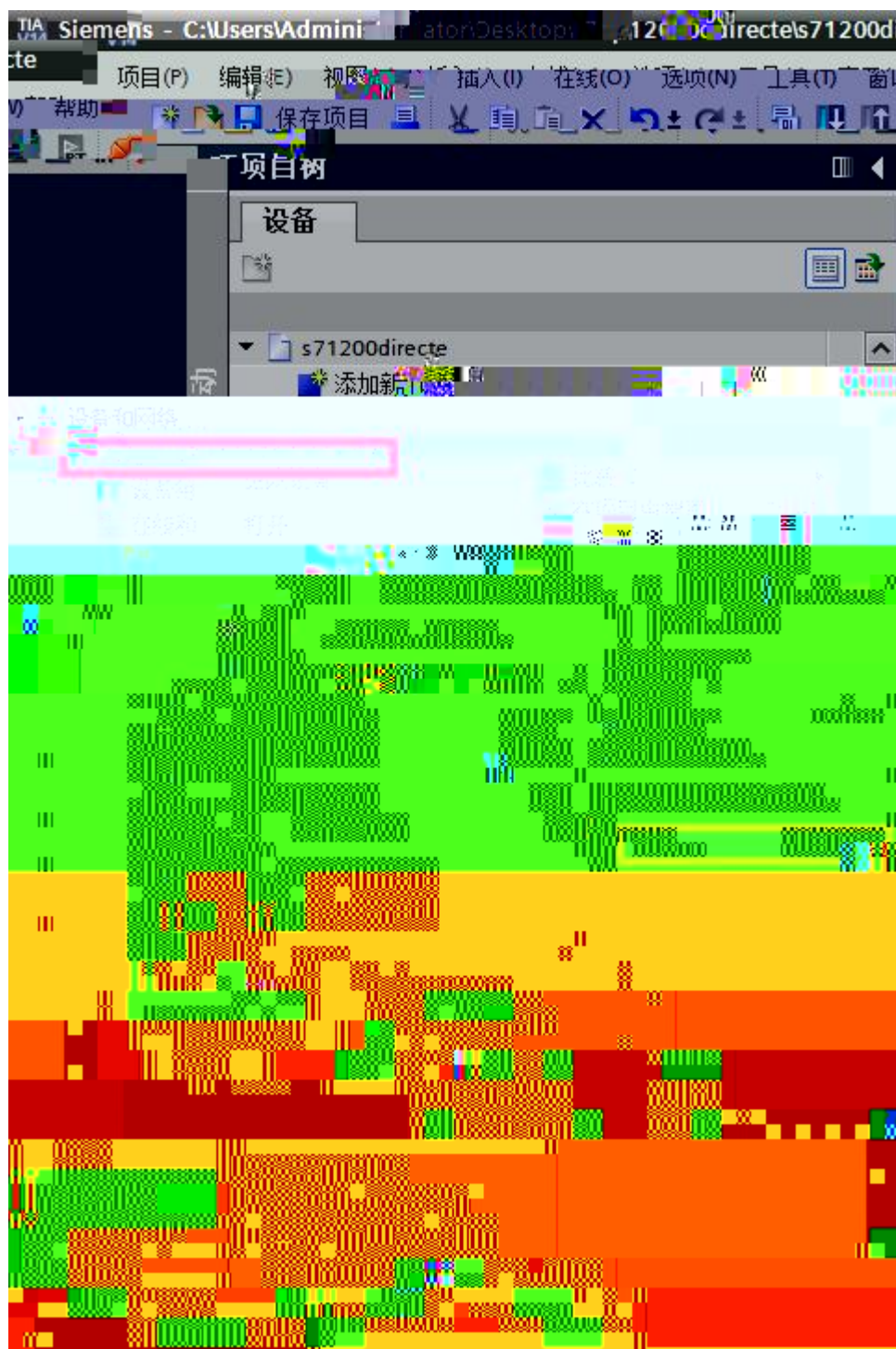
2. “RVNet-XMB-S:XXXXXX” RVNet
192.168.3.100 IP IP 192.168.3.1



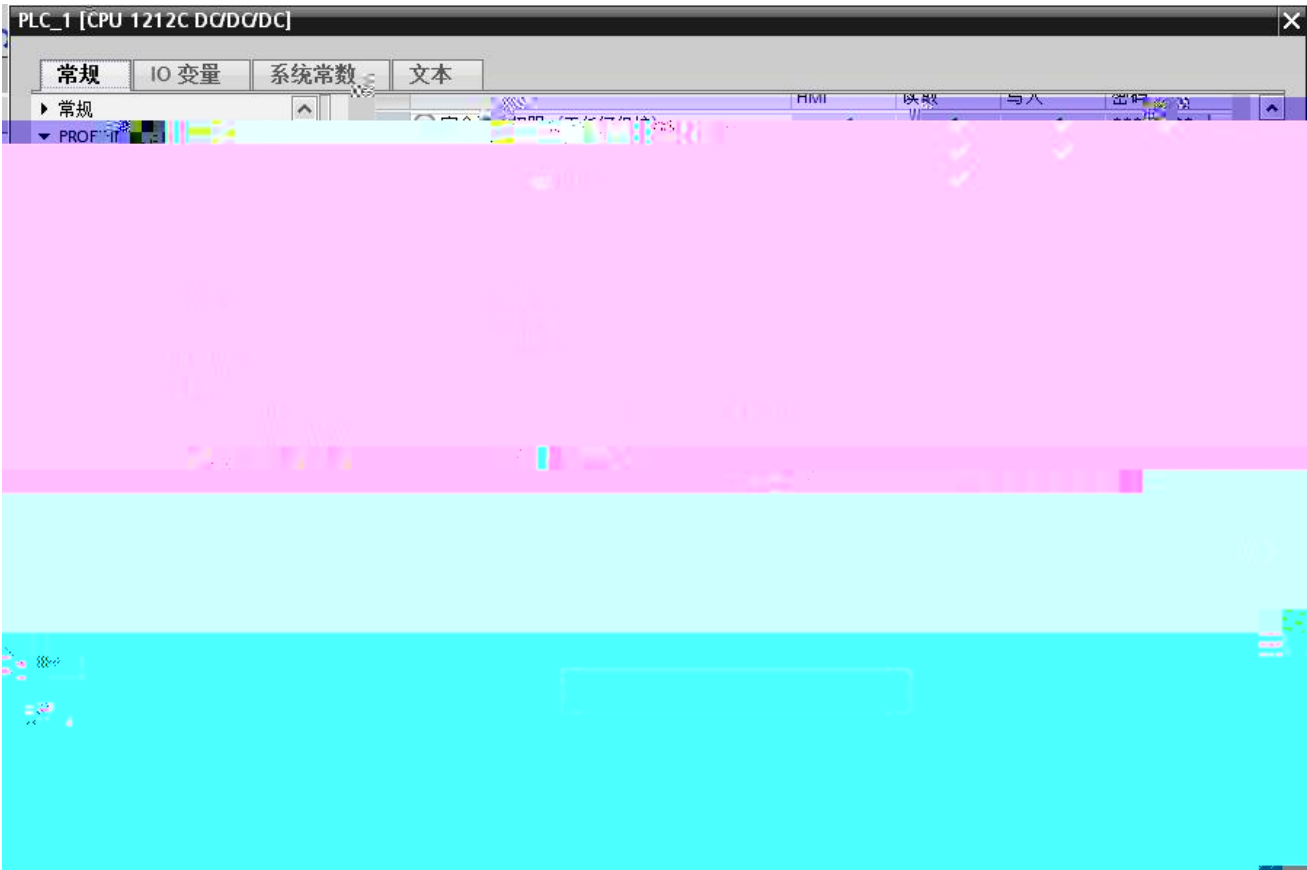
NetDevice “ ” “ ”
” Station IP 192.168.3.100 Station
-23dBm

5. RVNet-XMB-S S7-1200PLC

RVNet S7-1200 S7-1500PLC PLC
1. TIA portal V14

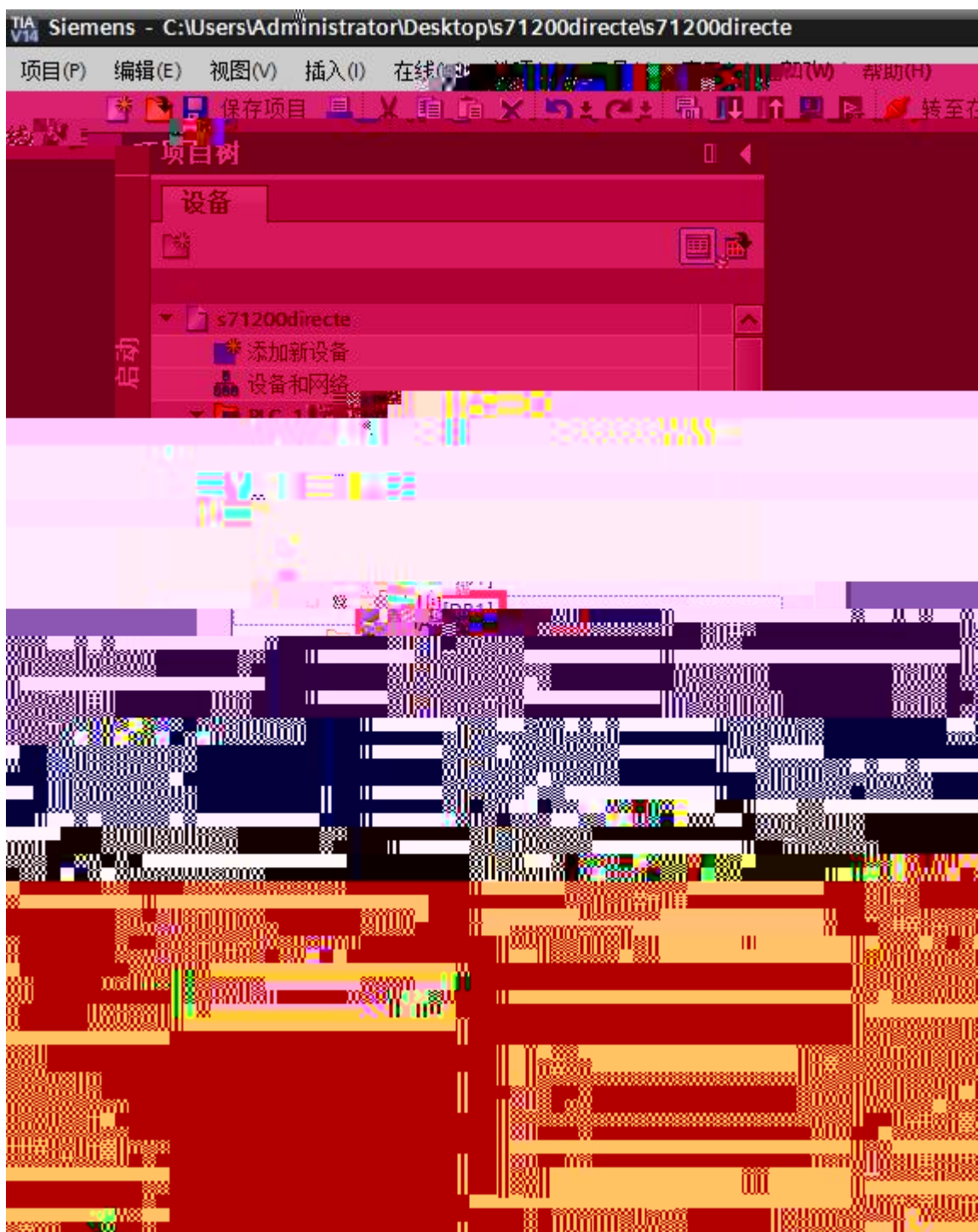


2. PLC PLC

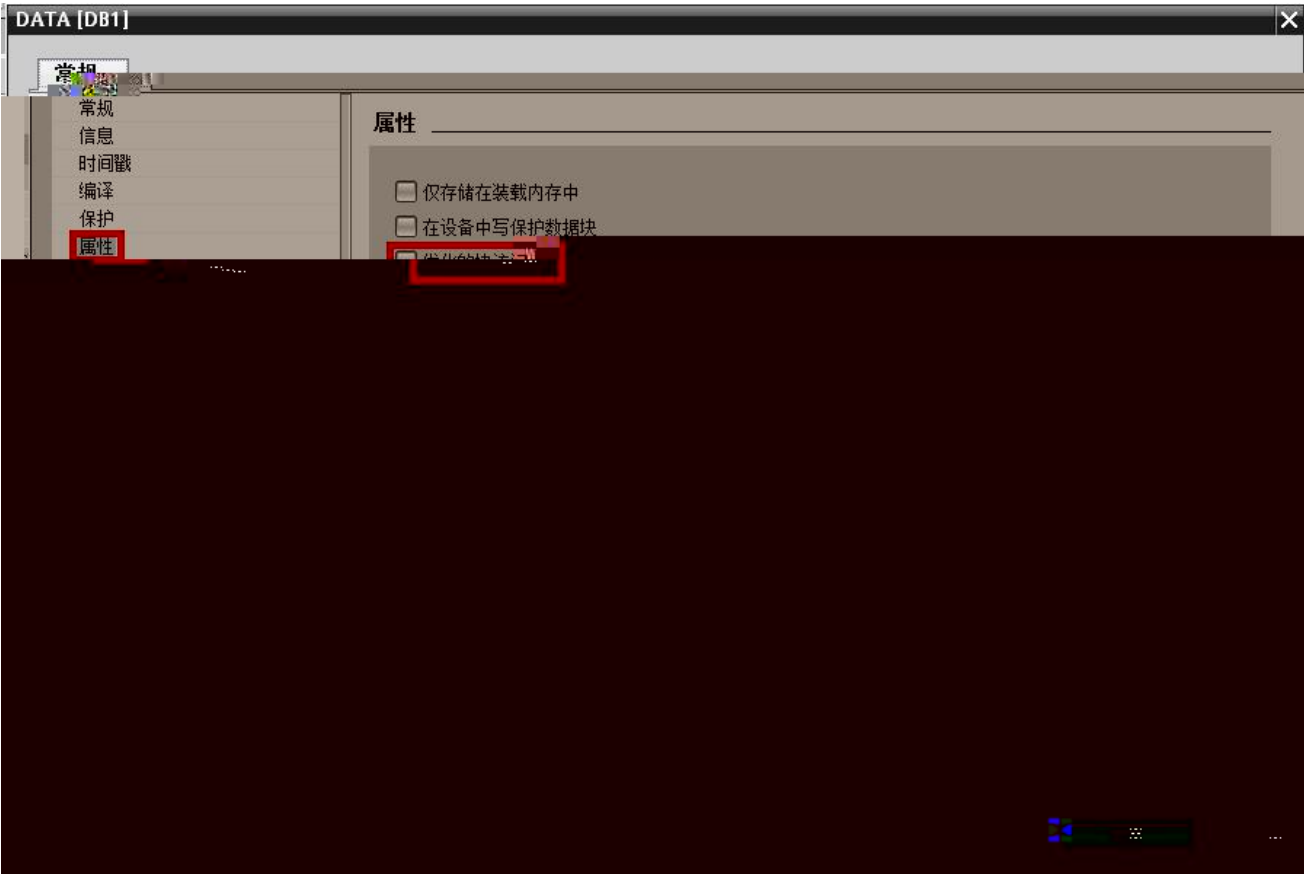


3. PUT/GET 1

Eθ、



2.



5.1 S7-1200 RVNet-XMB-S ModbusRTU

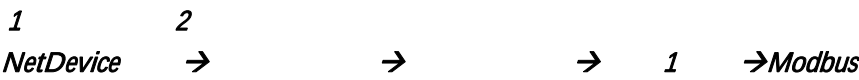
5.1.1

	RVNet-XMB-S	1	2	ModbusRTU		ModbusRTU
	Modbus		RVNet-XMB-S	S7-1200	S7-1500	PLC
DCS		Modbus		S71200	S71500	PLC

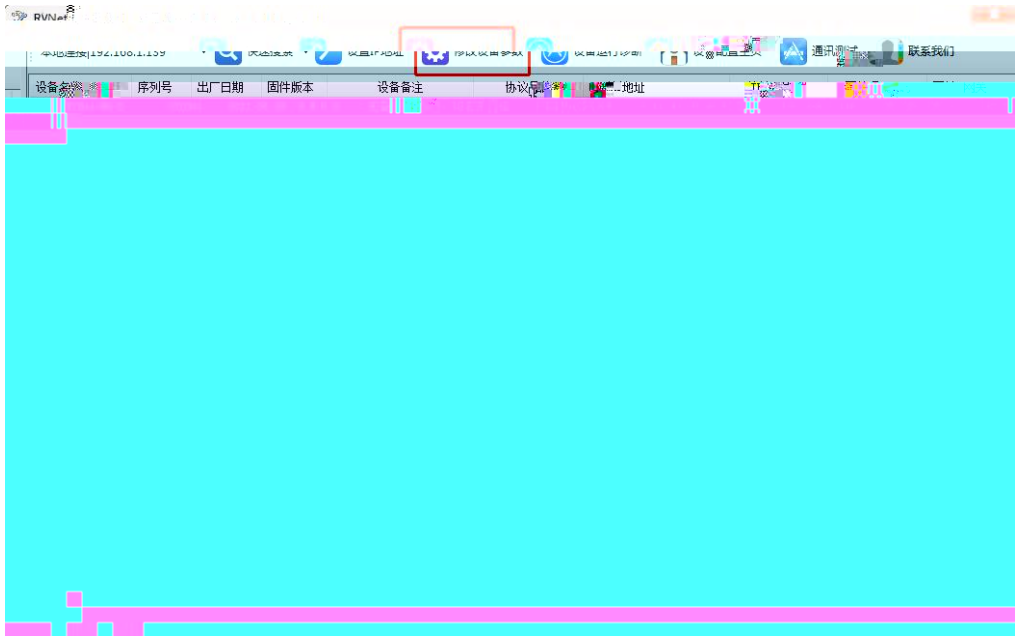
5.1.2

Modbus	RS485	RVNet-XMB-S	RVNet-XMB-S
RVNet	6		
1		COM1_A+	1 RS485
2		COM1_B-	1 RS485
3		GND	1 RS485
4		COM2_A+	2 RS485
5		COM2_B-	2 RS485
6		GND	2 RS485

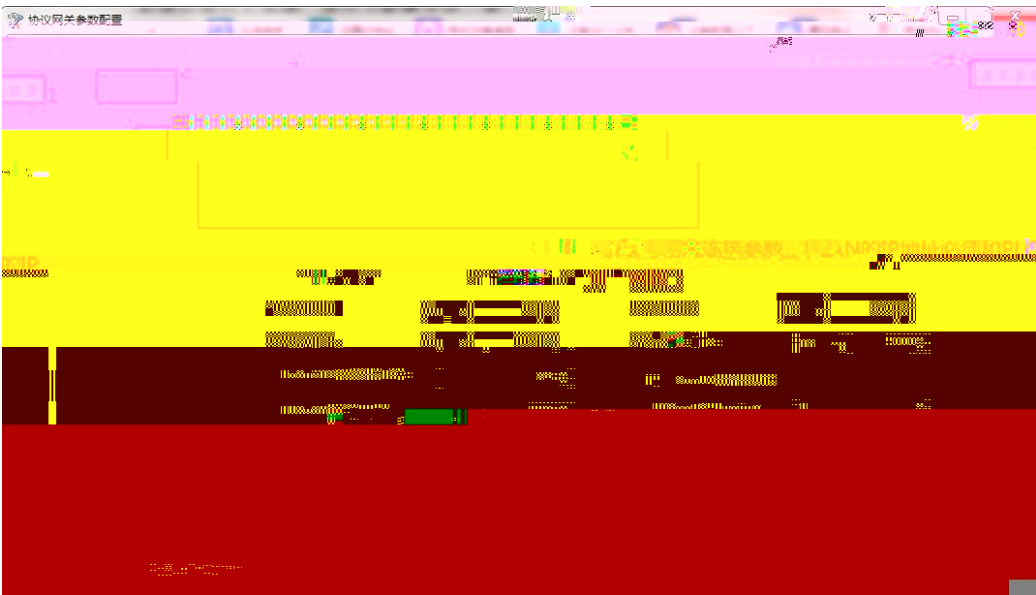
5.1.3 RVNet



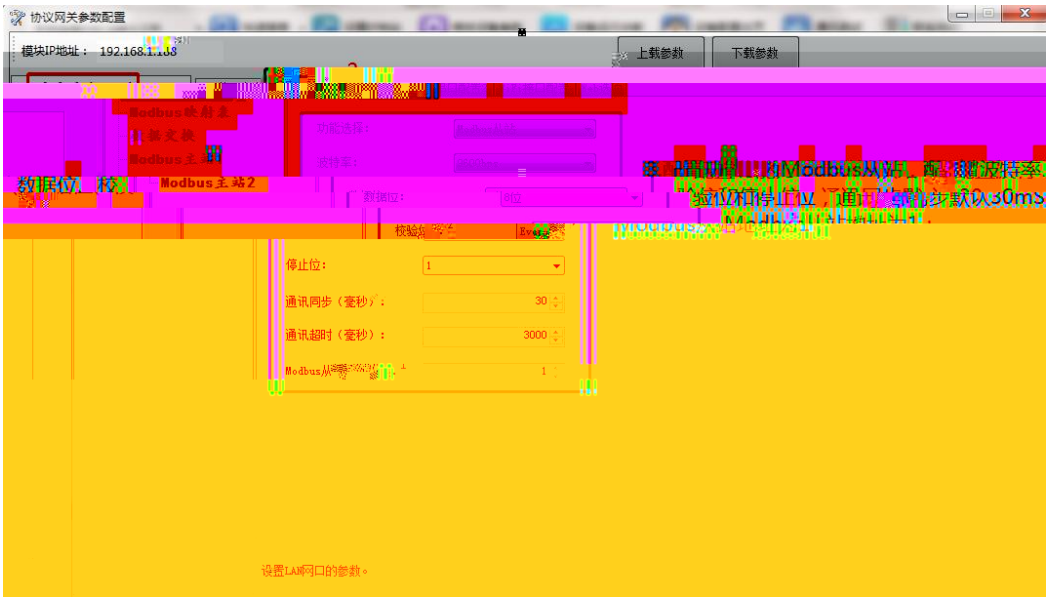
1. RVNet-XMB-S NetDevice V1032
RVNet-XMB-S



2. LAN IP TSAP LAN PLC IP



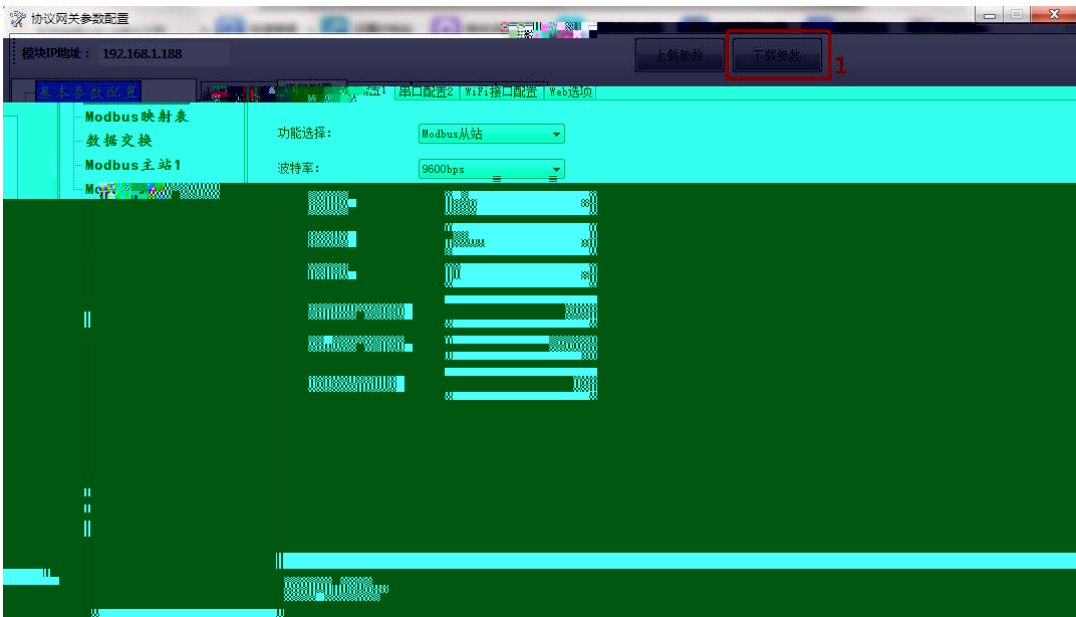
3. Modbus 1



- [1] *Modbus* *Modbus* *Modbus*
4. Modbus Modbus

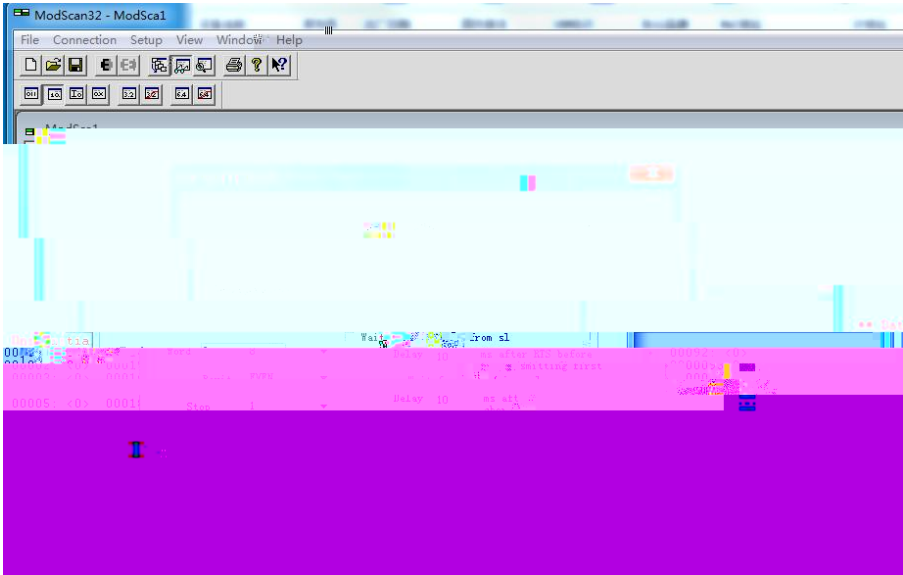


5. RVNet-XMB-S

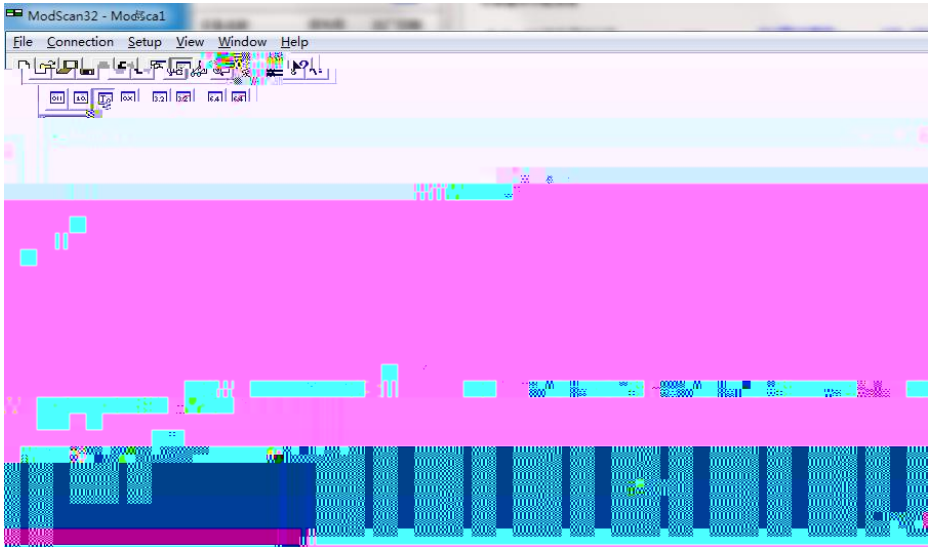


5.1.4 Modbus

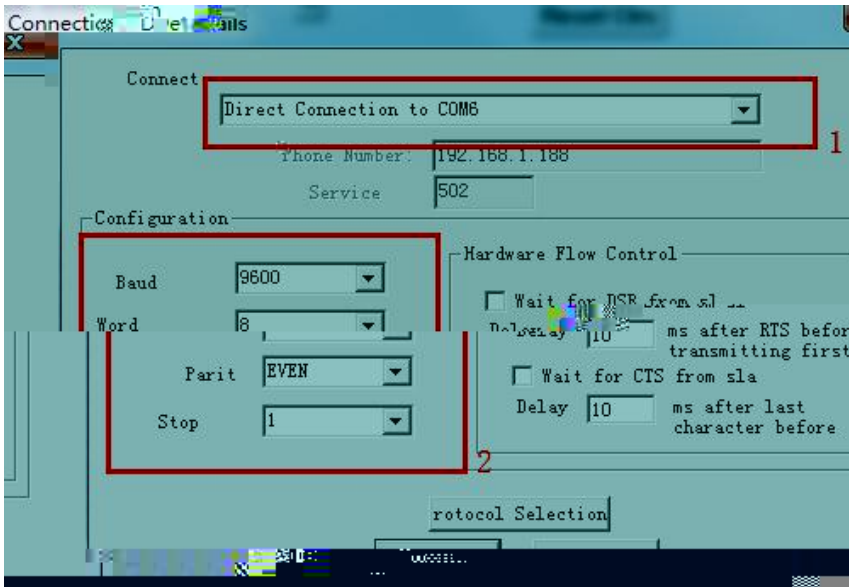
- | Modbus | ModScan | Modbus | RVNet-XMB-S |
|-------------|-------------|----------------|-------------|
| 1. USB | RS485 | USB | RS485 |
| RVNet-XMB-S | 1 | | |
| 2. COM6 | ModScan.exe | “ Connection ” | USB |



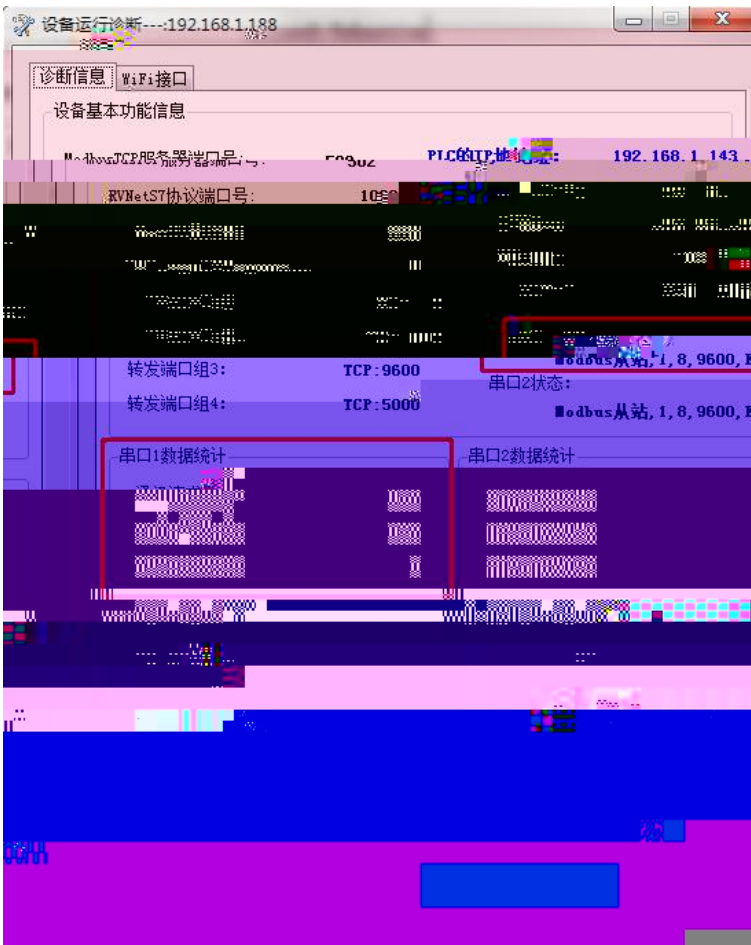
3. 00001 100 Modbus Q0.0~Q12.4



4. 1. Direct Connection to COM USB COM 2.
RVNet-XMB-S 1



5. NetDevice RVNet-XMB-S 1



- 6.
- | | | | | |
|----|-------------|--------|-------------|--------|
| 1) | RVNet-XMB-S | Modbus | Modbus | PLC |
| 2) | RVNet-XMB-S | Modbus | RVNet-XMB-S | |
| | | | ModbusTCP | PLC |
| 3) | RVNet-XMB-S | 1 | 256Kbps | Modbus |
| | Modbus | | | |

5.2 S7-1200 RVNet-XMB-S ModbusRTU

5.2.1

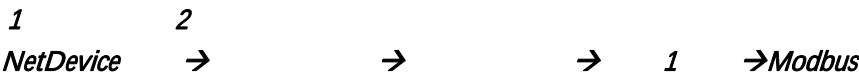
RVNet-XMB-S	1	2	Modbus	Modbus
PLC S7-1200	S7-1500	SMART S7-200	Modbus	
PLC Modbus				
RVNet-XMB-S	72			
100		Modbus		

5.2.2

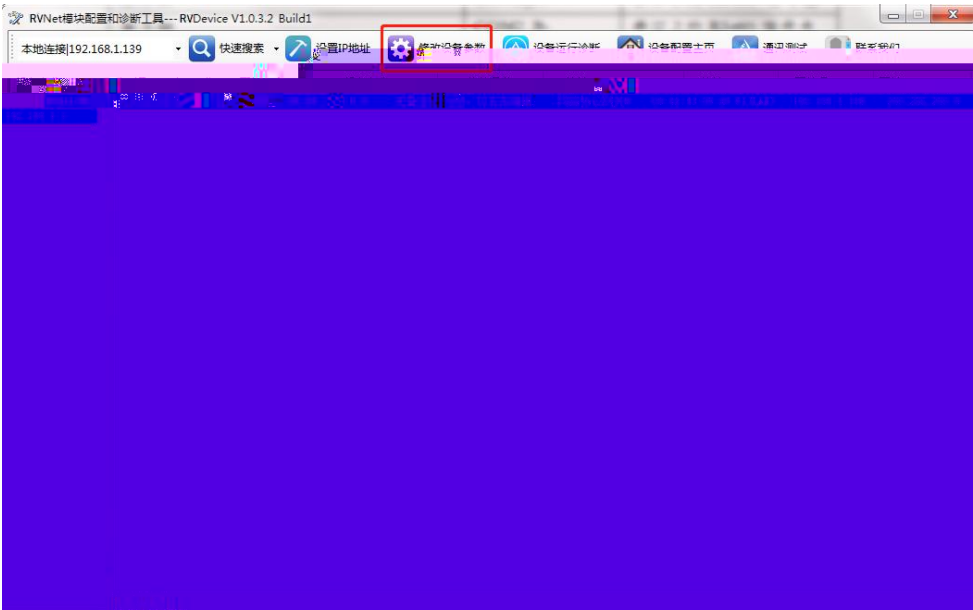
RVNet-XMB-S 1 2 Modbus RVNet-XMB-S

RVNet	6		
1		COM1_A+	1 RS485
2		COM1_B-	1 RS485
3		GND	1 RS485
4		COM2_A+	2 RS485
5		COM2_B-	2 RS485
6		GND	2 RS485

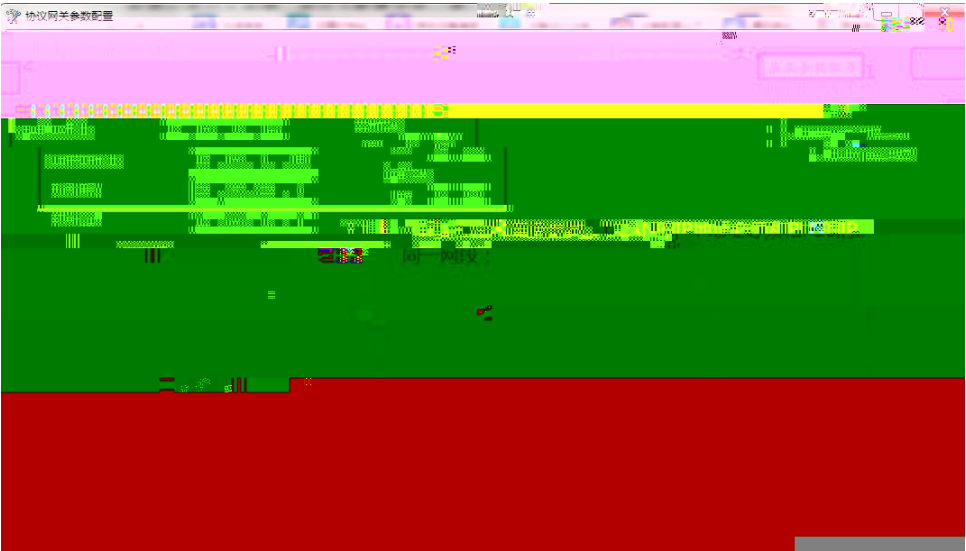
5.2.3 RVNet



1. RVNet-XMB-S NetDevice V1032
NetDevice



2. LAN IP TSAP LAN PLC IP



3.

Modbus

1

Modbus

30~50mS



4.

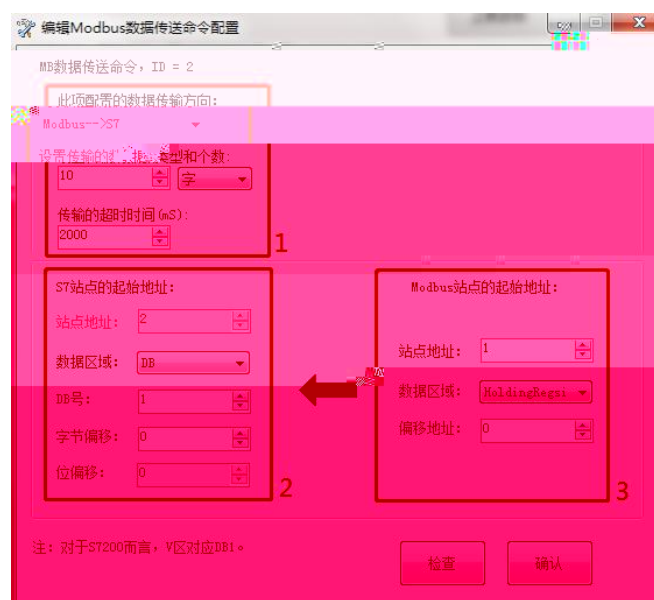
Modbus

1

1



5. Modbus



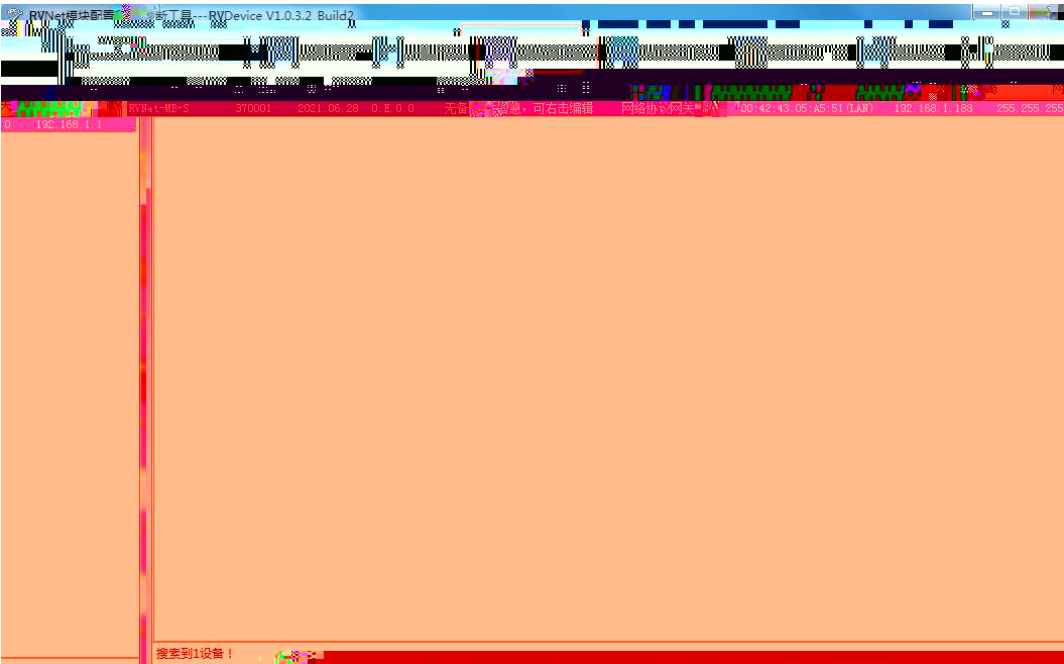
- 1)
- Modbus→S7
 - S7→Modbus
 -
 -
 -
- Modbus→S7
- Modbus PLC
- PLC
- Modbus
- COIL INPUT
- COIL INPUT
- 200
- 100
- INPUT REG HOLDING REG
- 2) S7 PLC S7-200 V DB1 S7-200
- SM/AI

3) Modbus

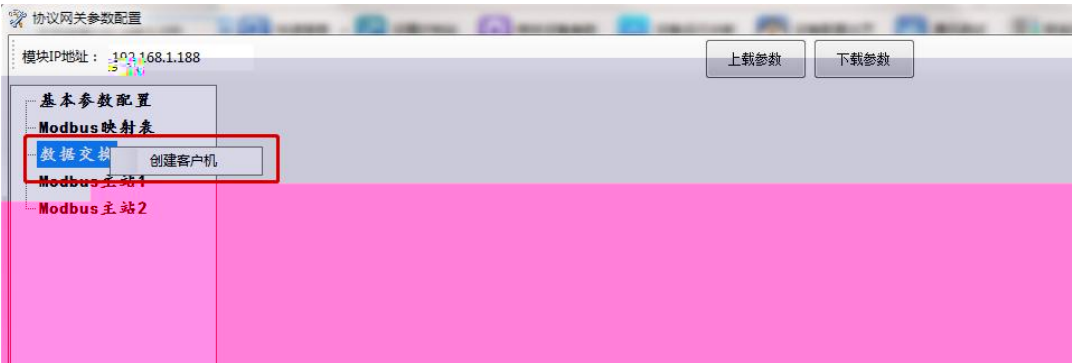
Modbus

INPUT REG

2.		Modbus		1	2	9600bps	8
3.	RVNet-XMB-S	1					
1)		Modbus	9600bps		8	1	
2)	Modbus	1					
		PV	16#14			20	SP
		16#28	40				



2.



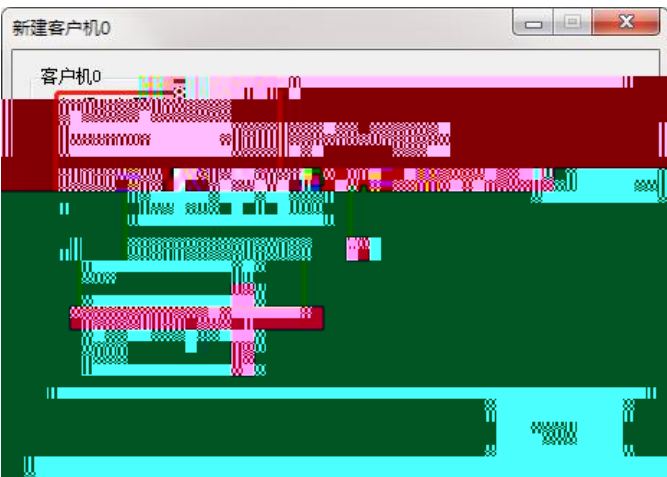
3.

ModbusTCP

IP

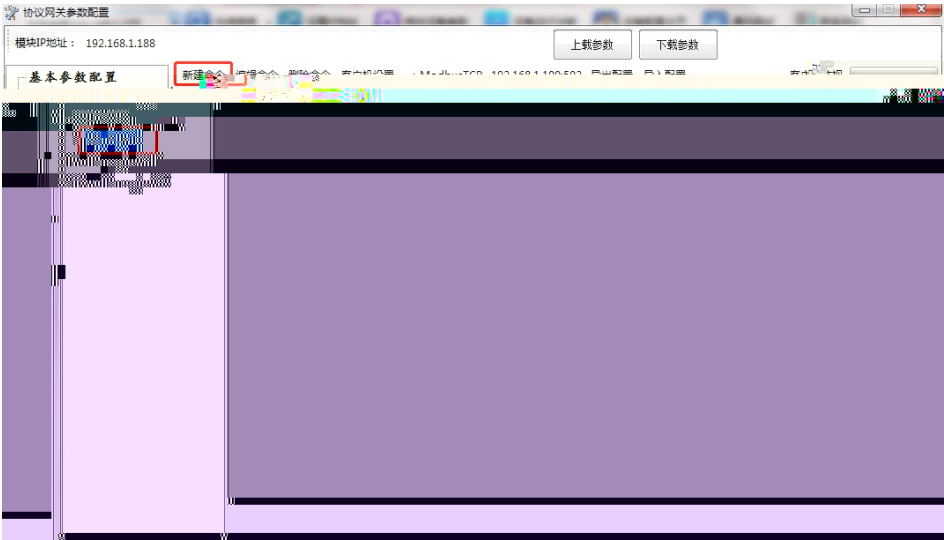
502

LAN

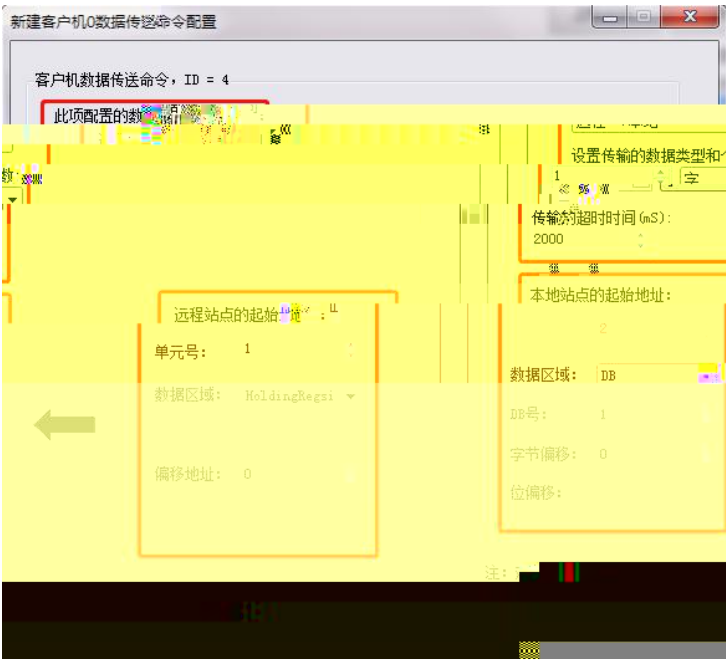


4.

0



5.



- 1)
- →

PLC

ModbusTCP

RVNet
- →

RVNet

PLC

ModbusTCP
- 2)
- →

200

COIL

INPUT

COIL

INPUT
- →

100

INPUT REG

HOLDING REG
- 3)
- DB1

S7-200

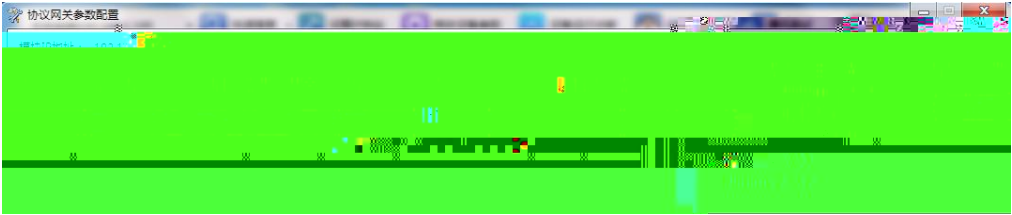
RVNet

SM/AI

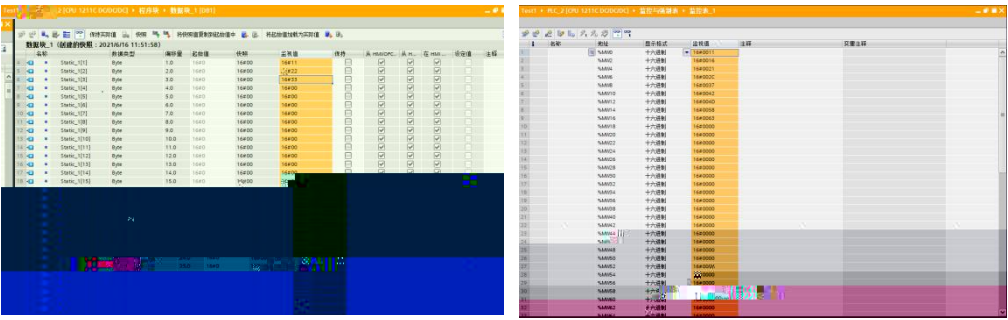
PLC

S7-200

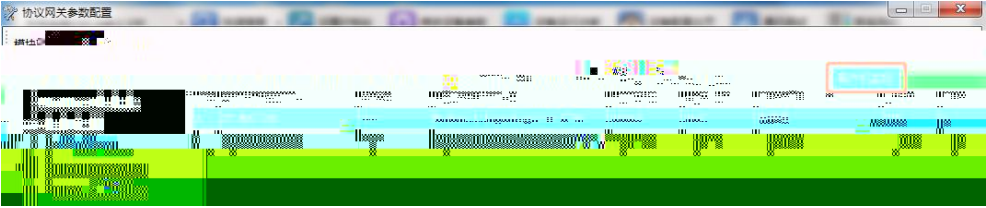
V



4

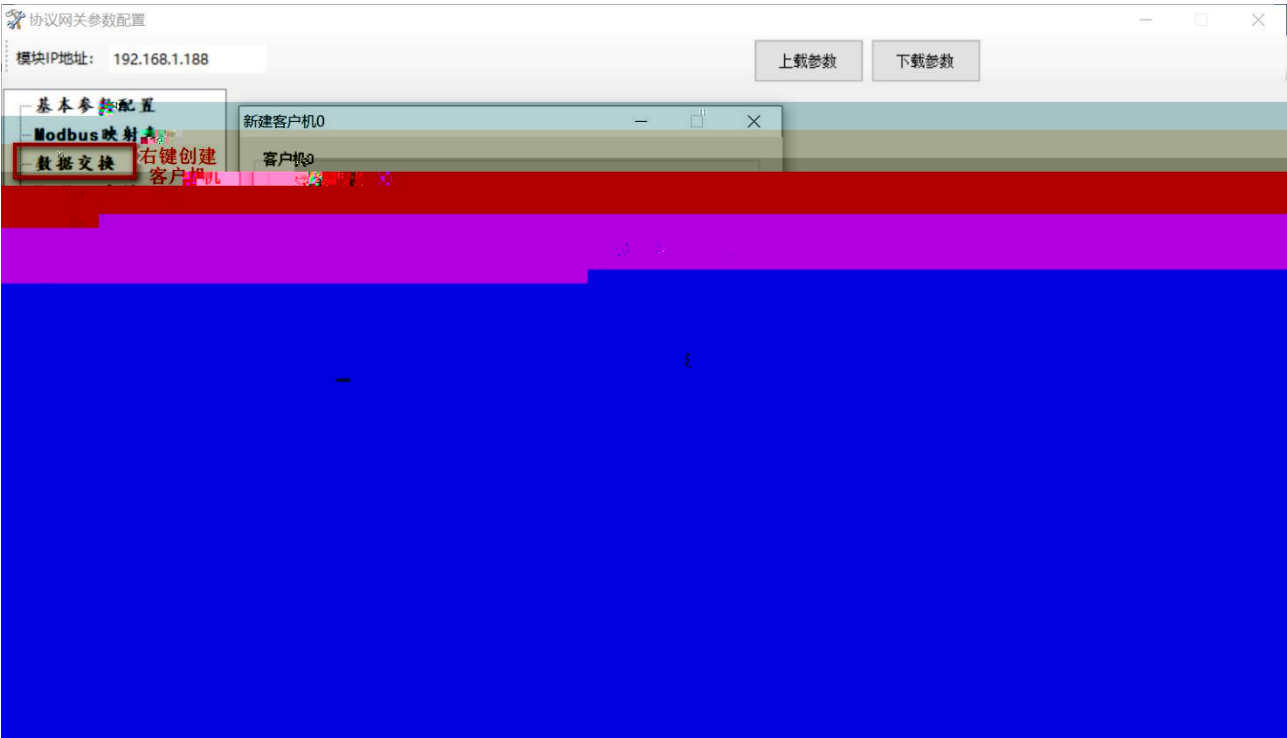
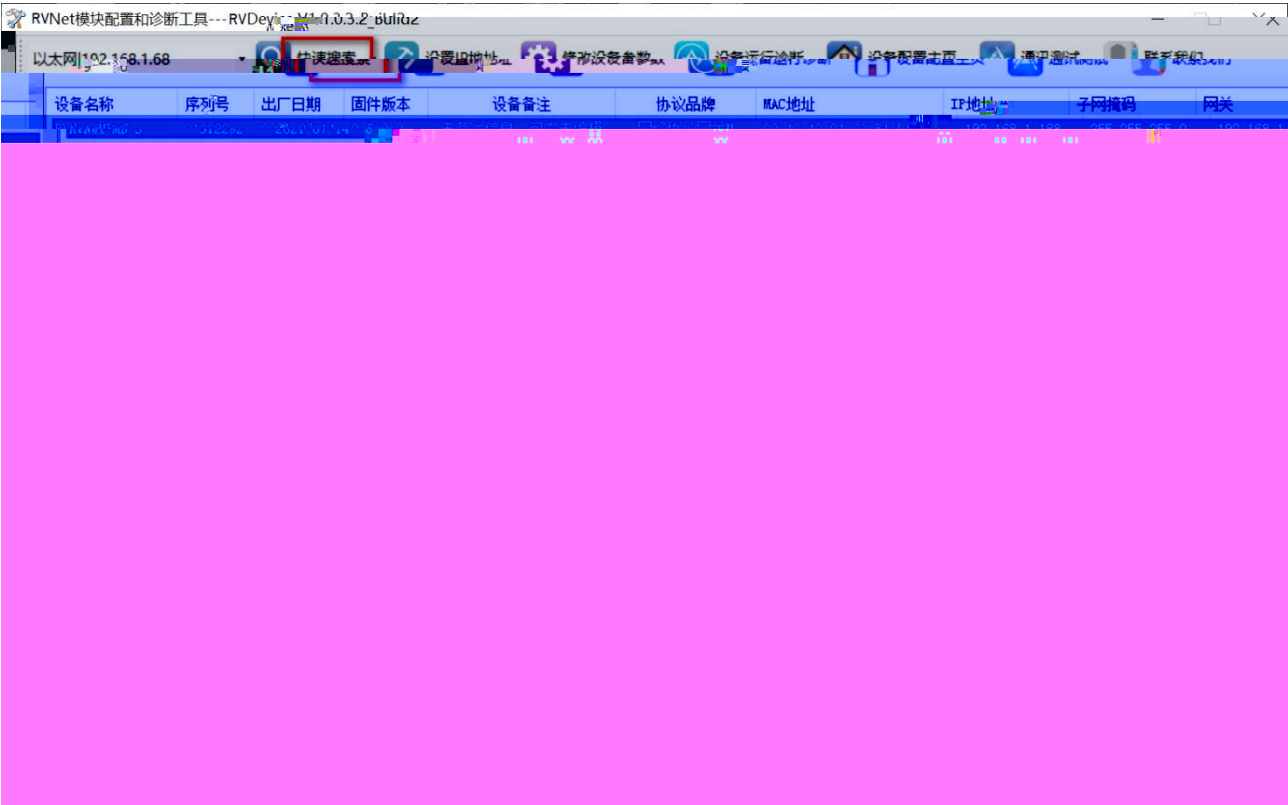


8. NetDevice

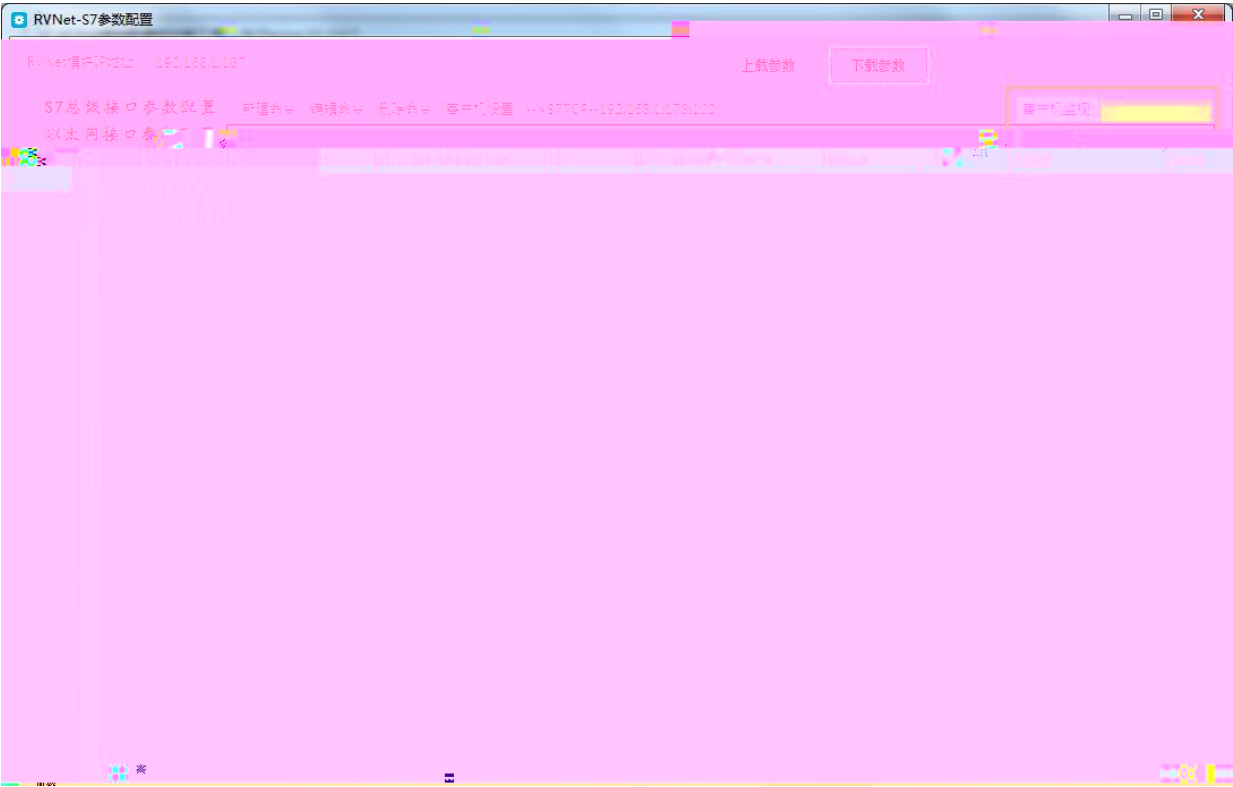


5.5 S7-1200 RVNet-XMB-S S7 PLC S7TCP

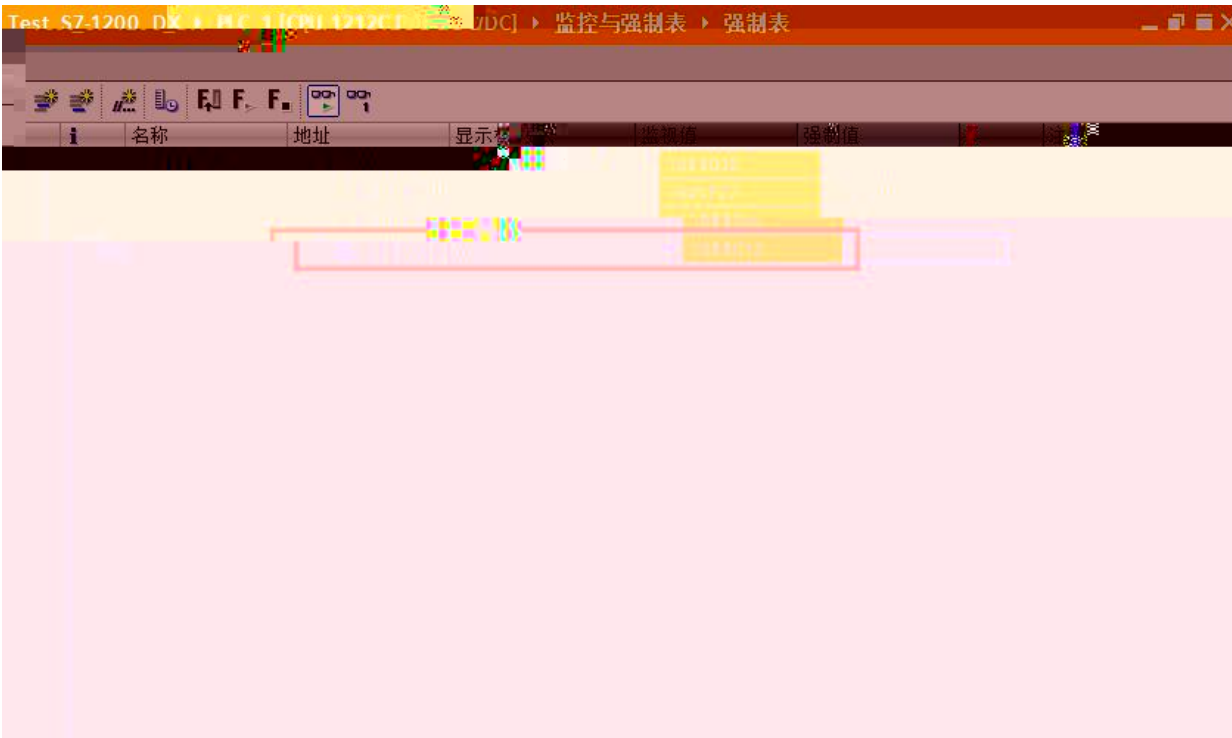
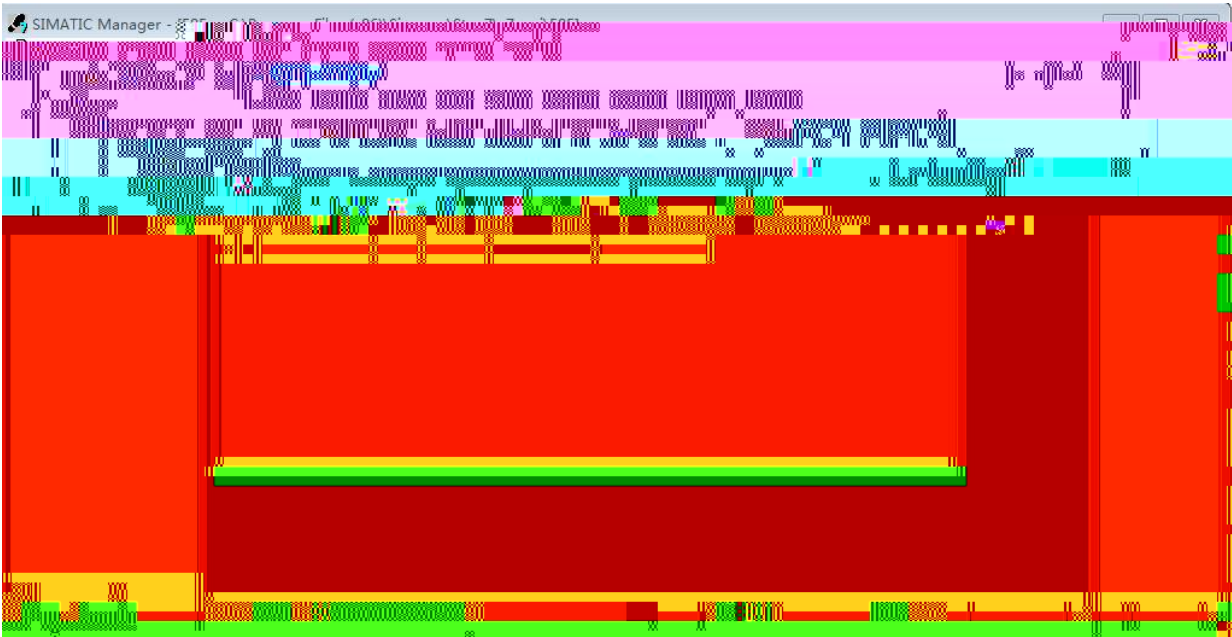
5.5.1 RVNet-XMB-S







5.5.2



5.6 SMART IE S7-1200 S7-1500

SMART IE	RVNet-XMB-S	S7-1200	S7-1500
1. WinCC flexible	SMART IE		

2.

—

IP

PLC

SIMATIC S7 200

RVNet-XMB-S

IP

HMI



SMART IE

RVNet-XMB-S

S7-1200

S7-1500

DB

M

Q

I

PLC

V	PLC	DB	V	PLC	DB	RVNet-XMB-S	SMART
---	-----	----	---	-----	----	-------------	-------

IE Mapping

Mapping=1

V0—V32767 DB1.DBX32767

Mapping=2 DB 10000

V0—V9999 DB100.DBX0—DB100.DBX9999

V10000—V19999 DB101.DBX0—DB101.DBX9999

V20000—V29999 DB102.DBX0—DB102.DBX9999

V30000—V32767 DB103.DBX0—DB103.DBX2767

Mapping=3 DB 1000

V0—V999 DB100.DBX0—DB100.DBX999

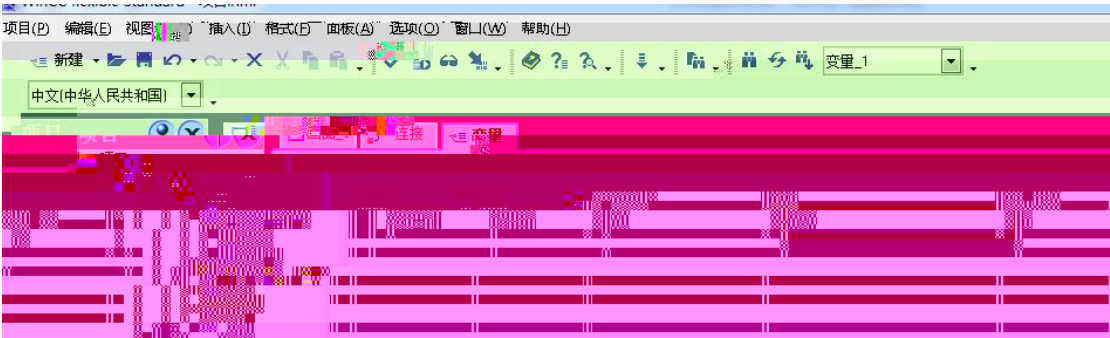
V1000—V1999 DB101.DBX0—DB101.DBX999

V2000—V2999 DB102.DBX0—DB102.DBX999

V3000—V3999 DB103.DBX0—DB103.DBX999

.....
V32000-V32767 DB132.DBX0—DB132.DBX767

M	PLC	M
---	-----	---



Mapping=1	VW0	PLC	DB1.DBW0
Mapping=2	VW0	PLC	DB100.DBW0
Mapping=3	VW0	PLC	DB100.DBW0

.. w i P W X U H ..

6.

μ]

RVNet-XMB-S

Pwr Com1 Com2 WiFi

LinkOnLine AR u D

RJ45

10/100Mbps

ModbusTCP ModbusUDP

TCP

TCP	ModbusTCP ModbusUDP 32
X1 (PLC)	RS485 9.6K 19.2K 38.4K 57.6K 115.2K ModbusRTU ModbusASCII
X2 (HMI)	RS485 9.6K 19.2K 38.4K 57.6K 115.2K ModbusRTU ModbusASCII
OPC	WinCC IFIX INTOUCH KepwareOPC
	IE 192.168.1.188 NetDevice
	24V 24VDC/100mA
	0~60
	95%
	2014/30/EU
	CE
(L*W*H)	115*27*75mm
	150g

7.

2766

250101

0531-88689022

0531-88689022

88

266107

0532-68894021 83029299

0532-83029299

18753243991 garywei@dingtalk.com

www.qiyuanauto.cn

