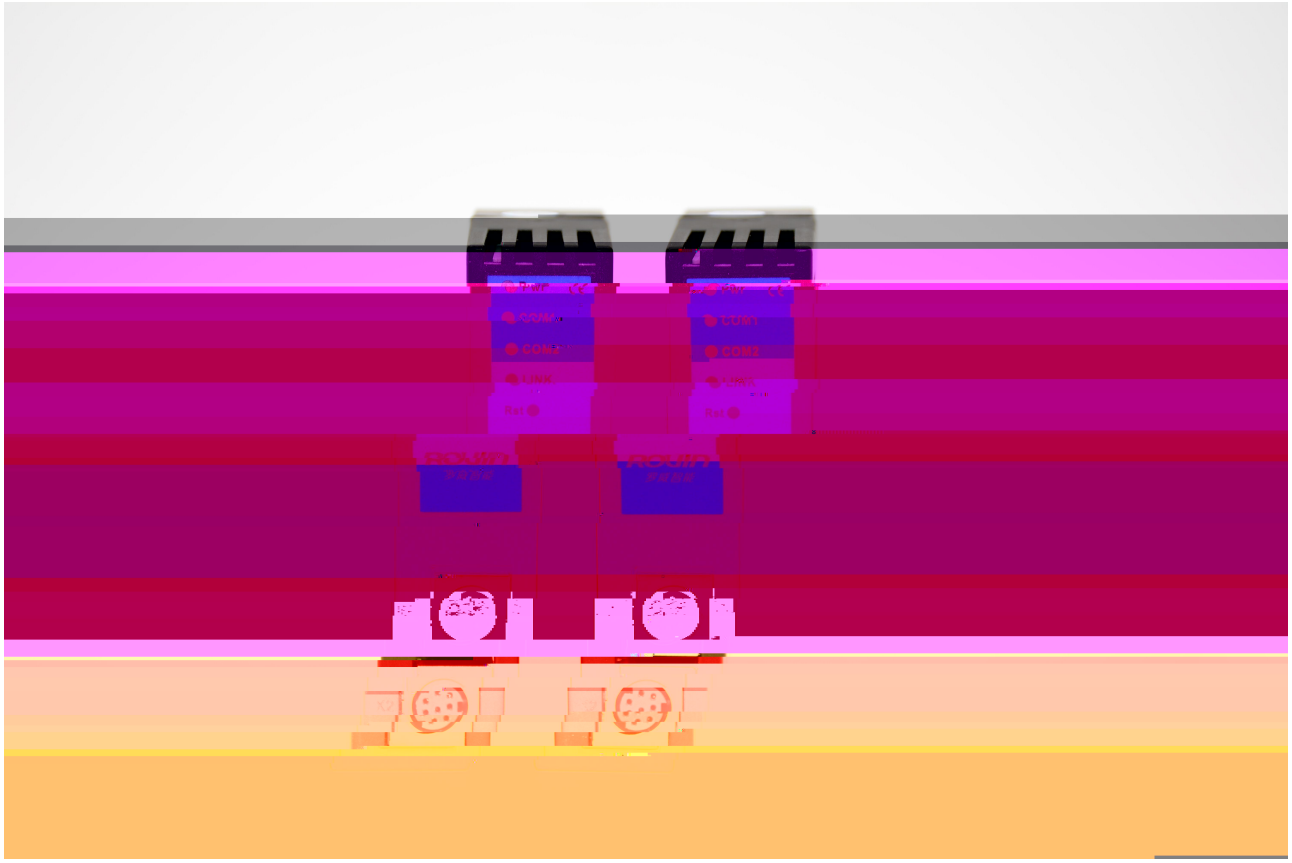
RVNet-FX



1.RVNet-FX

1.1

1.2.1

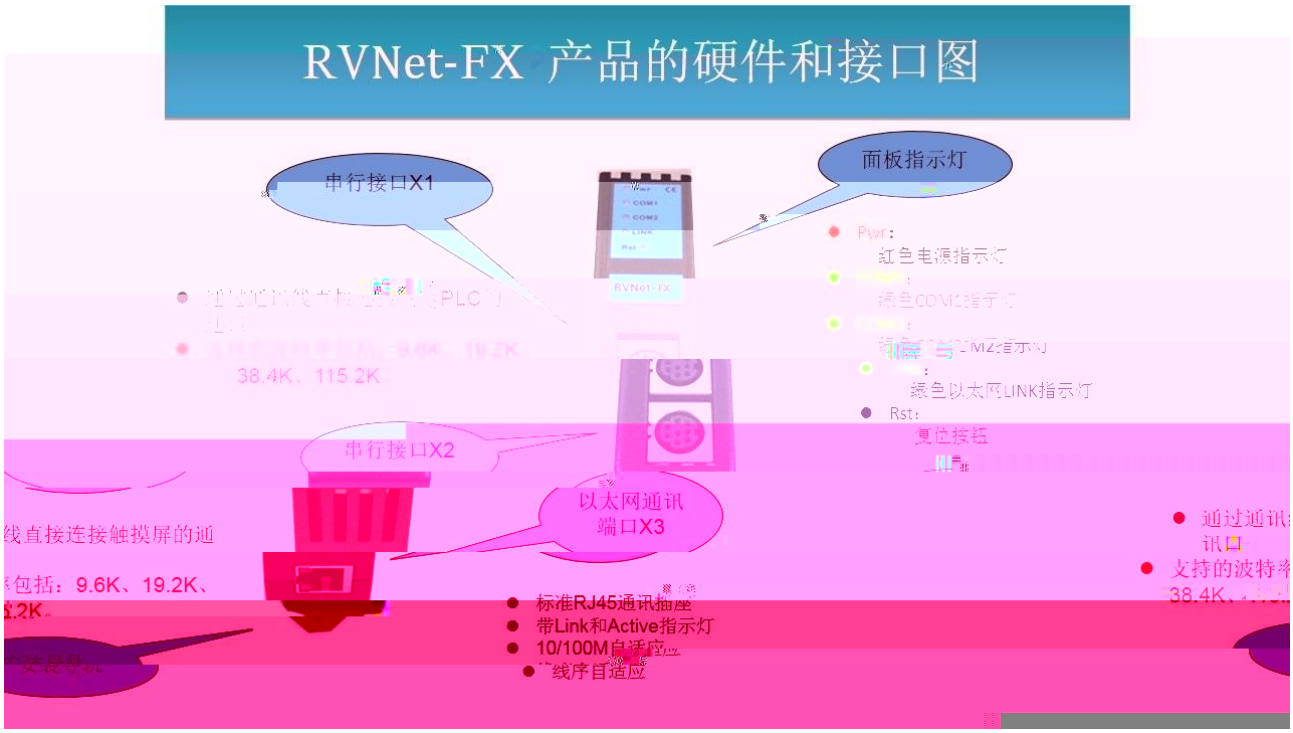
FX PLC PLC

PLC

MCGS RVNet

2.

2.1


RVNet-FX 产品的硬件和接口图
串行接口X1
面板指示灯
Pwr：
红色电源指示灯
绿色以太网LINK指示灯
Rst：
复位按钮
串行接口X2
以太网通讯
端口X3
38.4K、115.2K
9.6K、19.2K、
38.4K、
标准RJ45通讯插座
带Link和Active指示灯
10/100M自适应
线序自适应
通过通讯
讯口
支持的波特率
38.4K、
线直接连接触摸屏的通
包括：9.6K、19.2K、
2K、

2.2


MITSUBISHI
MELSEC
PLC3
POWER
RUN
BATT
ERROR
Pwr
COM1
COM2
LINK
Rst

2.3

RVNet-FX MD8 X1 MD8 X2 RJ45 X3 X4

2.3.1 X1

X1 MD8 PLC

1	——	TXD-
2	——	GND
4	——	RXD-
5	——	5V
7	——	RXD+

X1 9.6k 19.2k 38.4K 115.2k

2.3.2 X2

X2 MD8

1	——	RXD-
2	——	RXD+
3	——	GND
4	——	TXD-
7	——	TXD+

X2 9.6k 19.2k 38.4K 115.2k

2.3.3 X3

RJ45

1	——	TX+
2	——	TX-
3	——	RX+
6	——	RX-

Link Active 10/100M T568A/ T568B

2.3.4 24VDC X4

X4 RVNet-FX 24VDC 24VDC±20%/100mA

24VDC

2.4

RVNet-FX LED Pwr COM1
COM2 LINK

	Pwr	COM1	COM2	LINK

3.

RVNet-FX

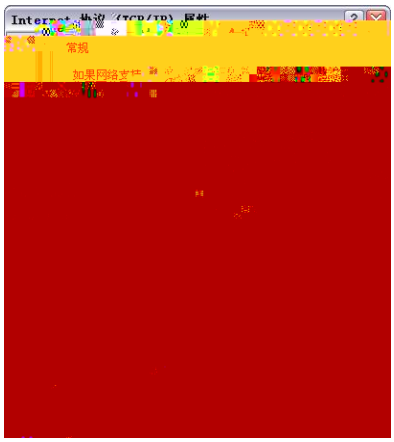
3.1

FX PLC PLC COM1 Pwr
LINK COM1 COM1
COM2 COM2 COM2

3.2 Web

RVNet-FX RJ45 RVNet-FX Link
Link RVNet-FX

IP 192.168.1.100



Internet Explorer 192.168.1.178 RVNet-FX IP RVNet-FX Web

PLC PLC

COM1 COM2

3.2.1

PLC “ ” “ ” “PLC (COM1)——>PLC ”
PLC

HMI “ ” “ ” “HMI (COM2)——> ”

HMI

RVNet-FX “ ” “RVNetTCP ” “
” “RVNetTCP ” “ ”

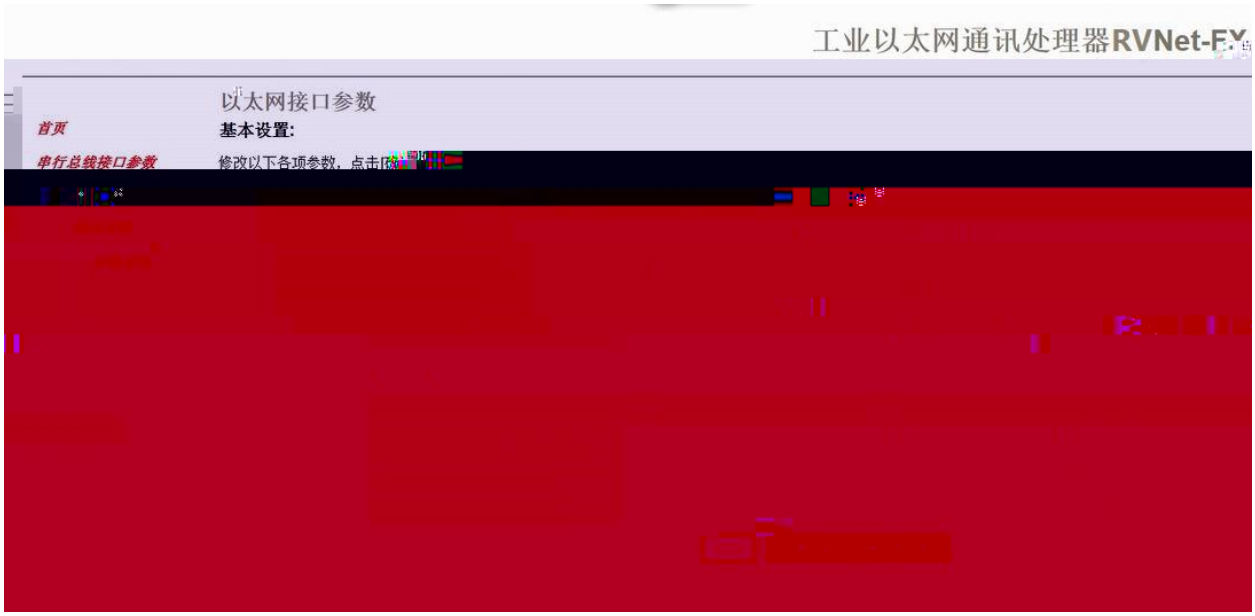
RVNet-FX 3

PLC (COM1)——>PLC PLC FX1S FX1N/FX2N FX3U/FX3G “
PLC ” “ ”

PLC (COM1)——> PLC PLC
“FX1N/FX2N” [38400 19200 PLC

HMI (COM2)——> “HMI ” “ ” HMI
“HMI ” “ ”

3.2.2



RVNet-FX IP

[ ] RVNet-FX IP

5551 “RVNetTCP ”
“ ”

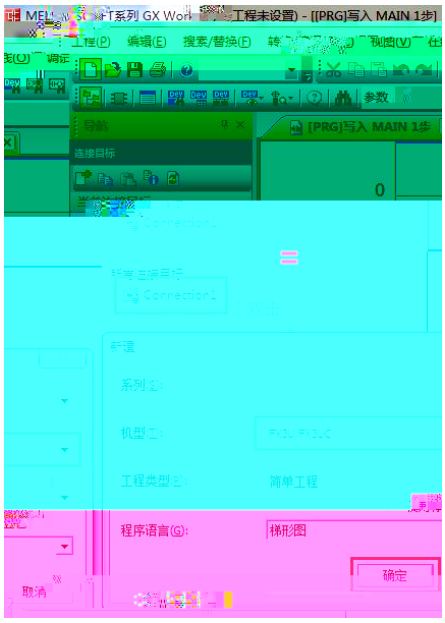
3.2.3

PLC

4.1.1 FX3G/3GC FX3S FX3U/3UC

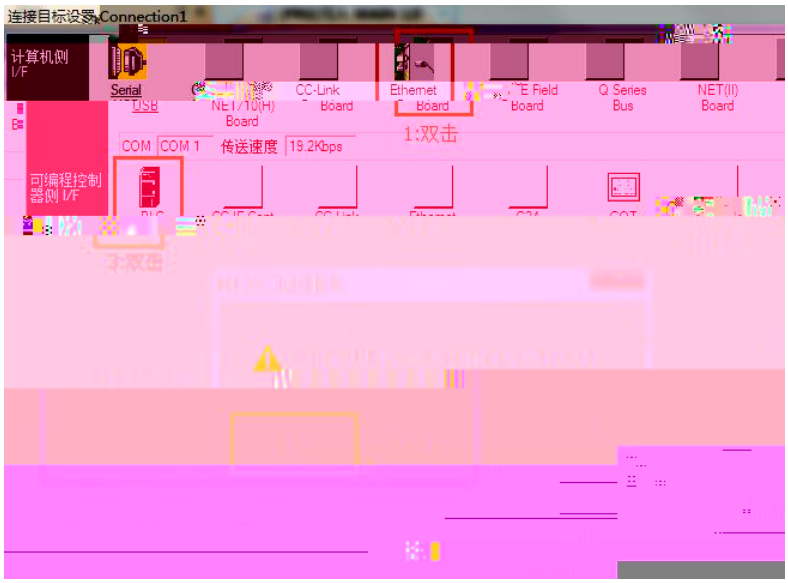
FX3G/3GC FX3S FX3U/FX3UC 3 FX RVNet-FX GX Works2
FX3UC

1. FX3U/FX3UC Connection

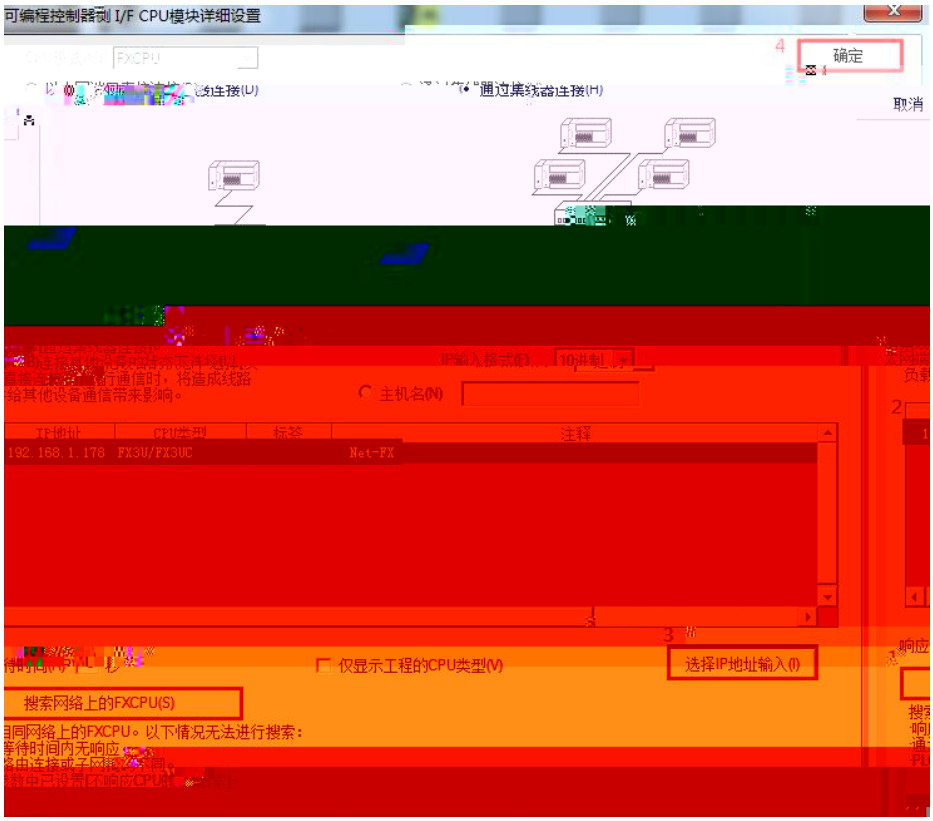


2. EthernetBoard

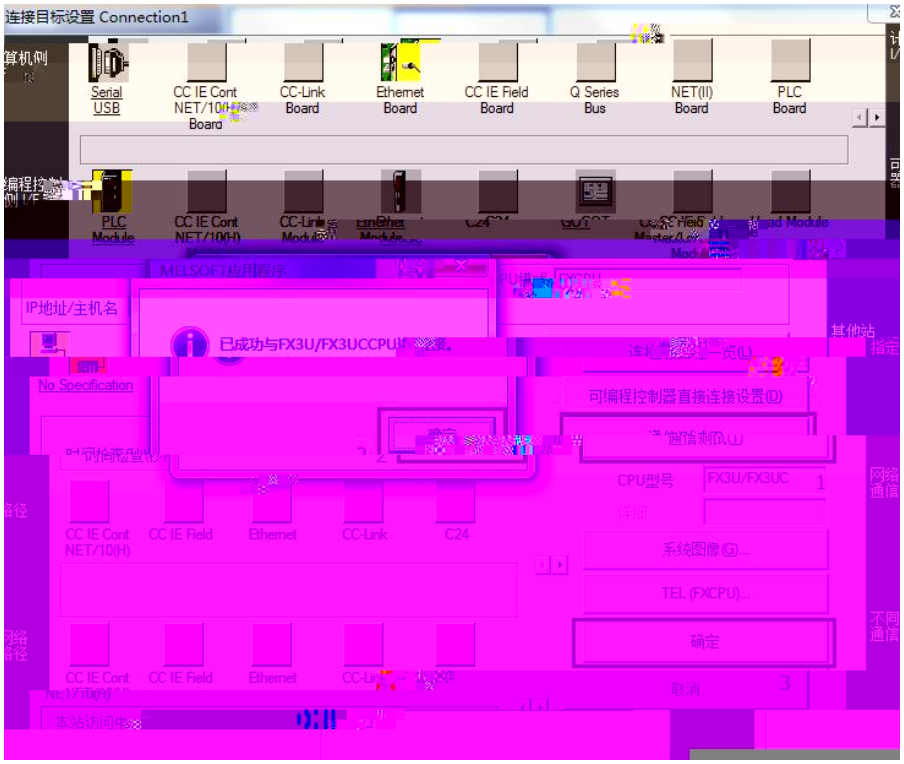
PLC Module



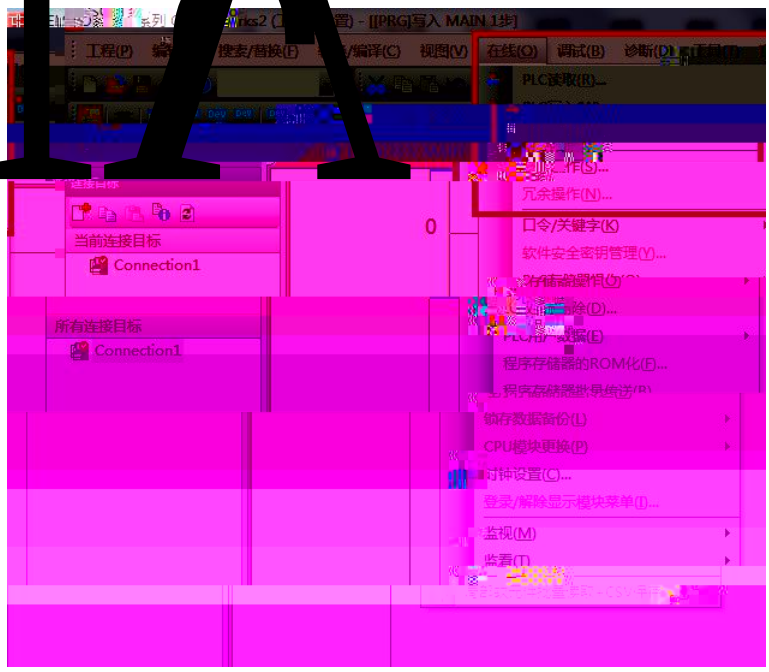
3. FXCPU(S) RVNet-FX FX3UC



4. IP FX3UCCPU



5. PLC

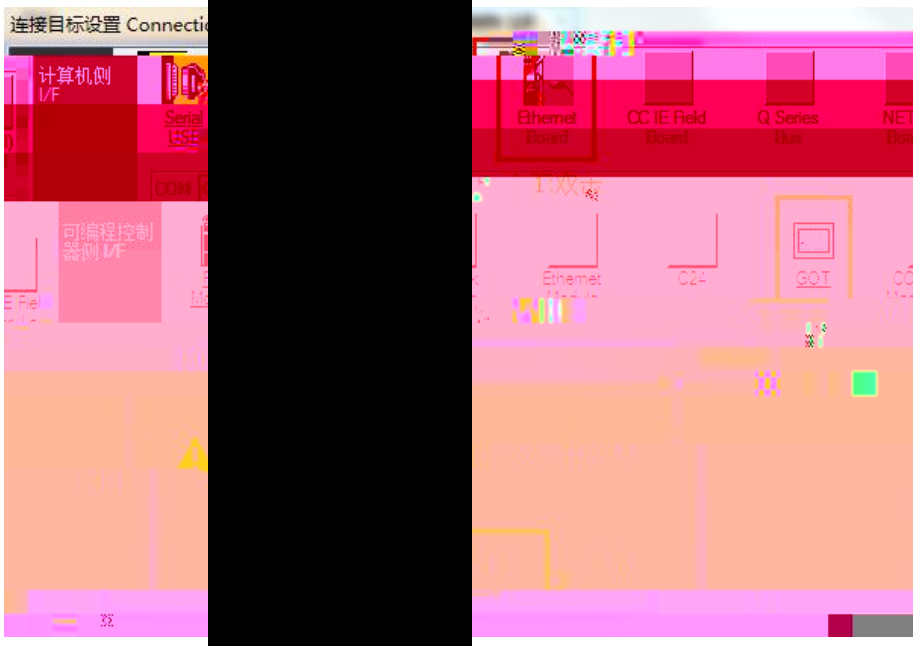


4.1.2 FX1N/1NC FX2N/2NC FX1S

FXCPU FX1N FX2N FX1S FXPLC

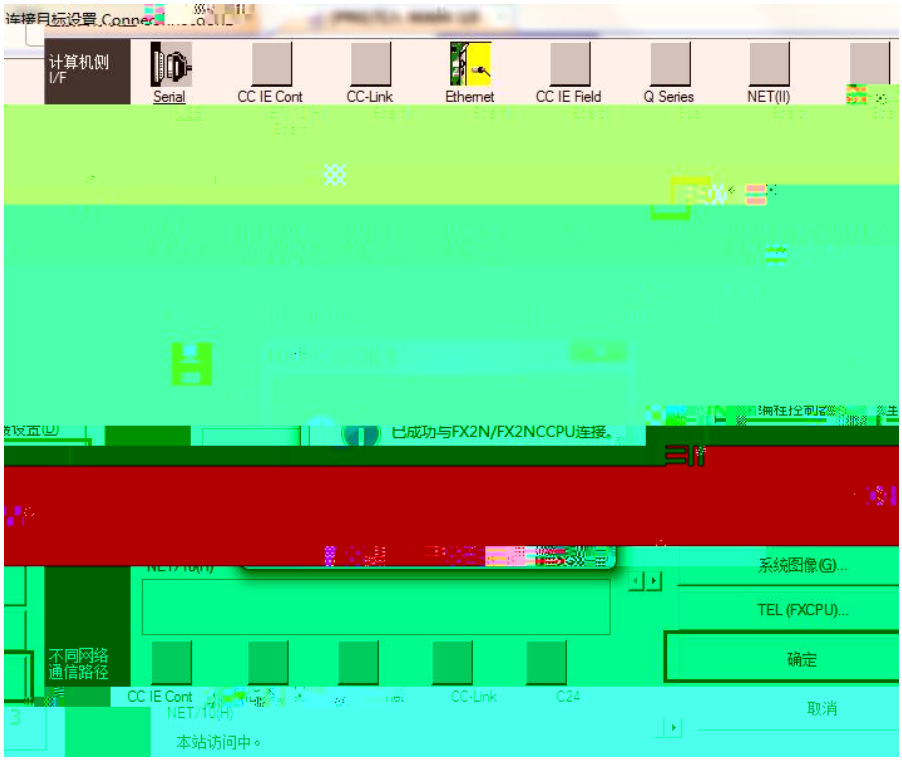
RVNet-FX GX W2N ىn X

GOT

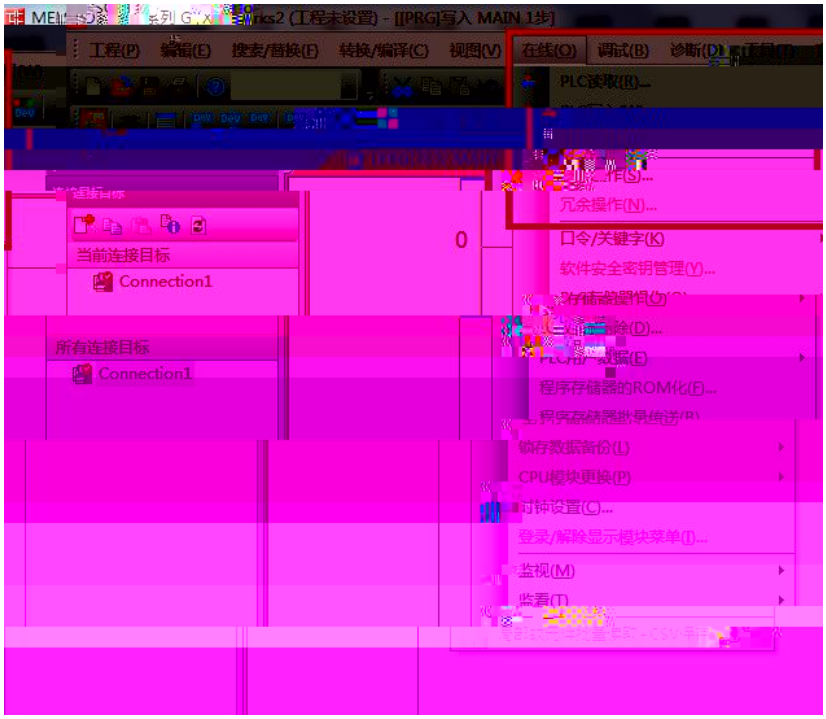

连接目标设置 Connecti
计算机侧
I/F
Serial
USB
COM
可编程控制
器侧 I/F
Ethernet
Board
CC IE Field
Board
Q Series
Bus
Ethernet
GOT

3. IP

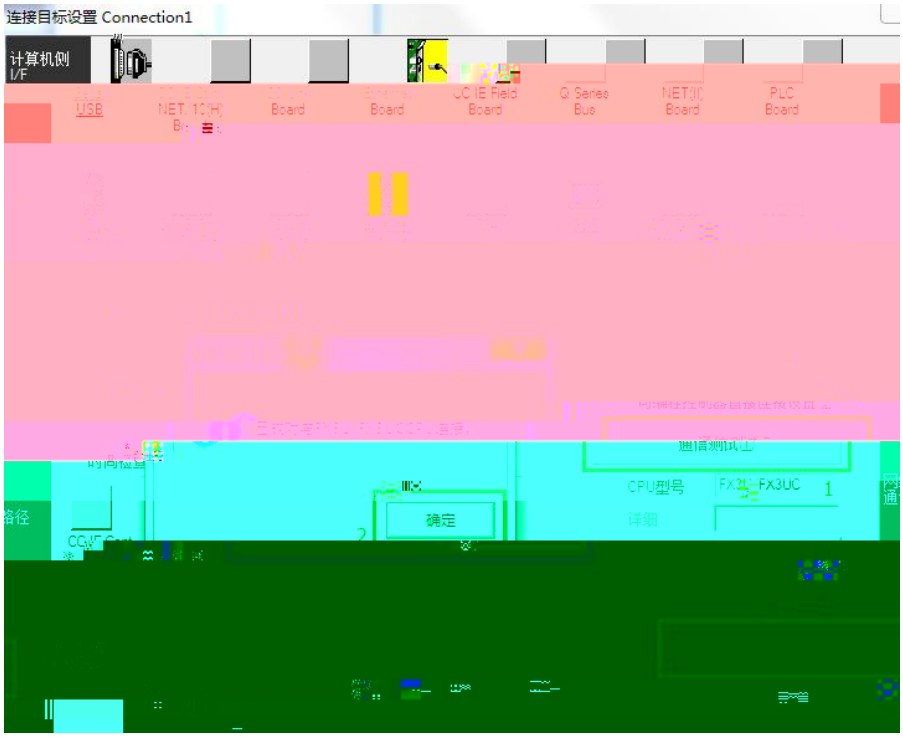
4. IP FX2NCCPU



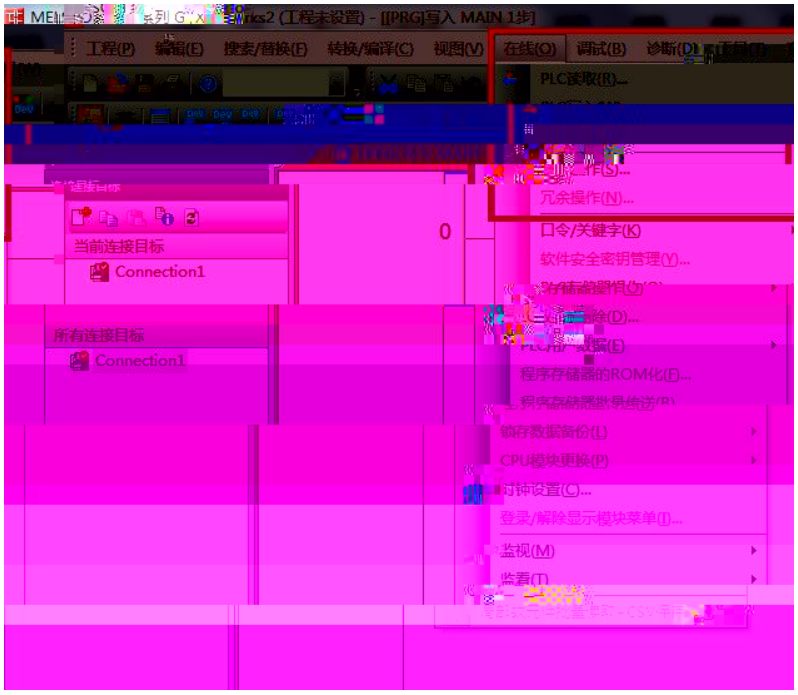
5. PLC



4. IP FX3UCCPU



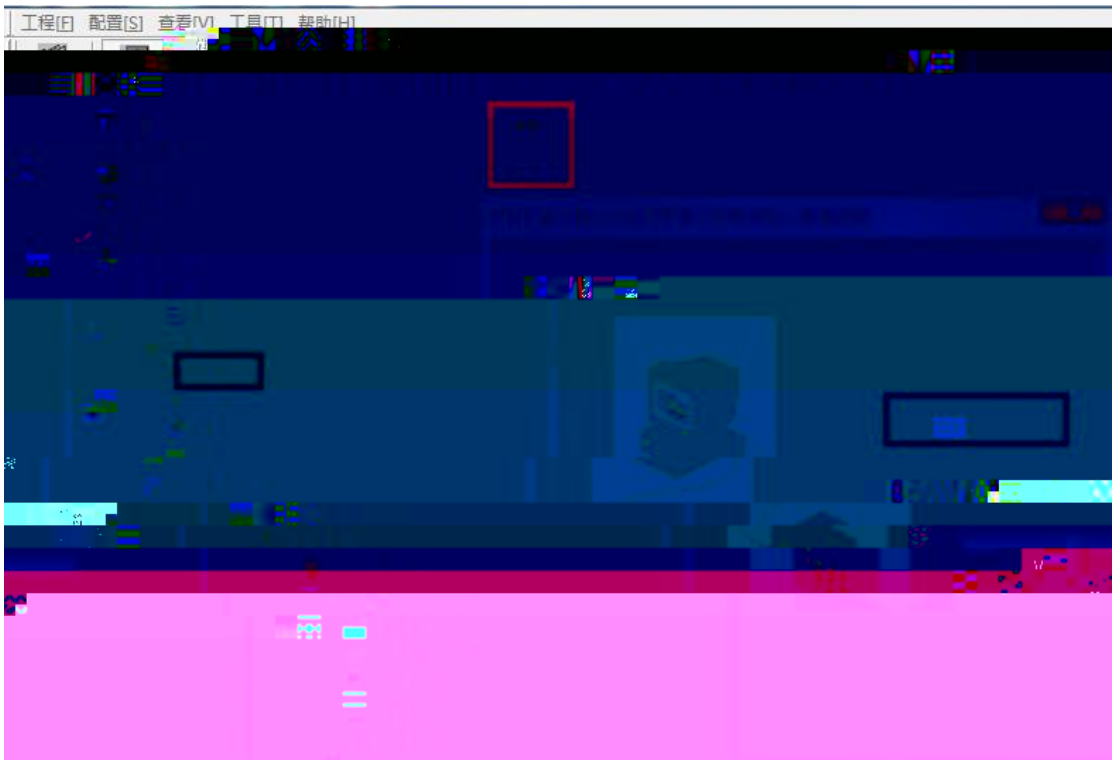
5. PLC



4.2 RVNet-FX

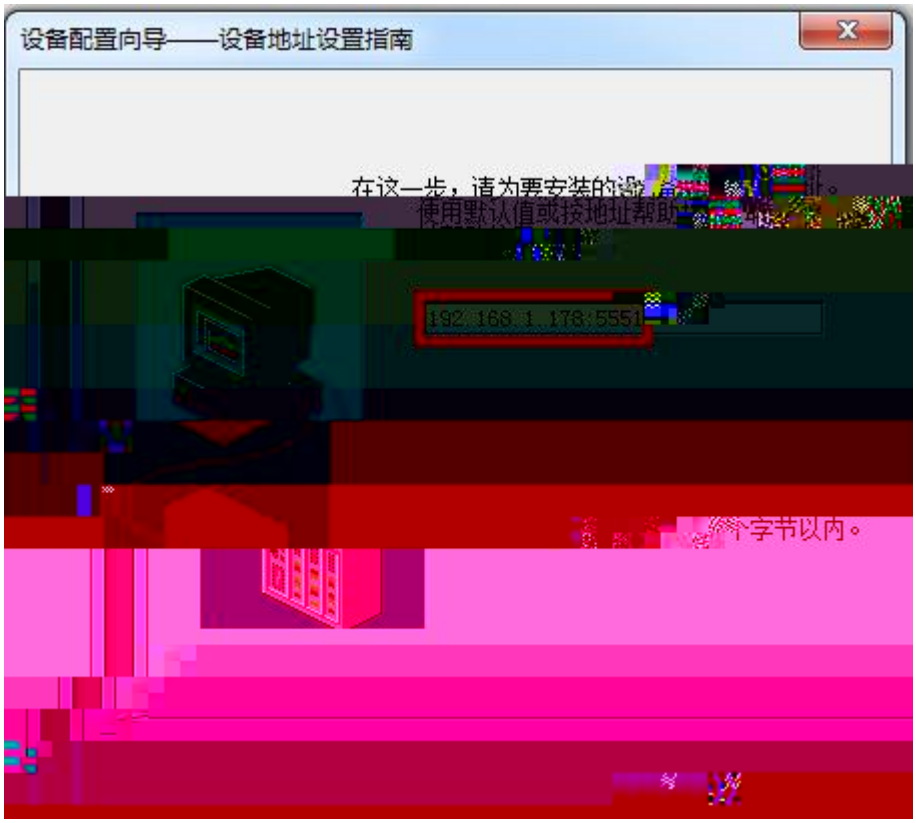
1.

2. COM1 FX3u_16M_Ethernet----TCP

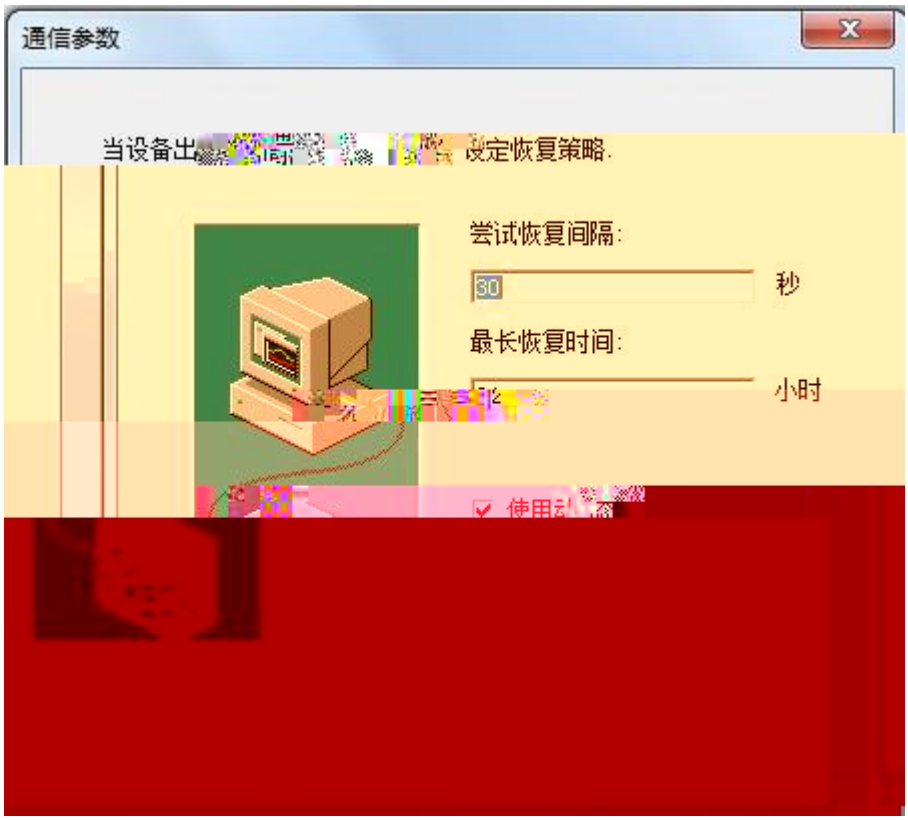


3.

4. RVNet-FX IP PLC 5551

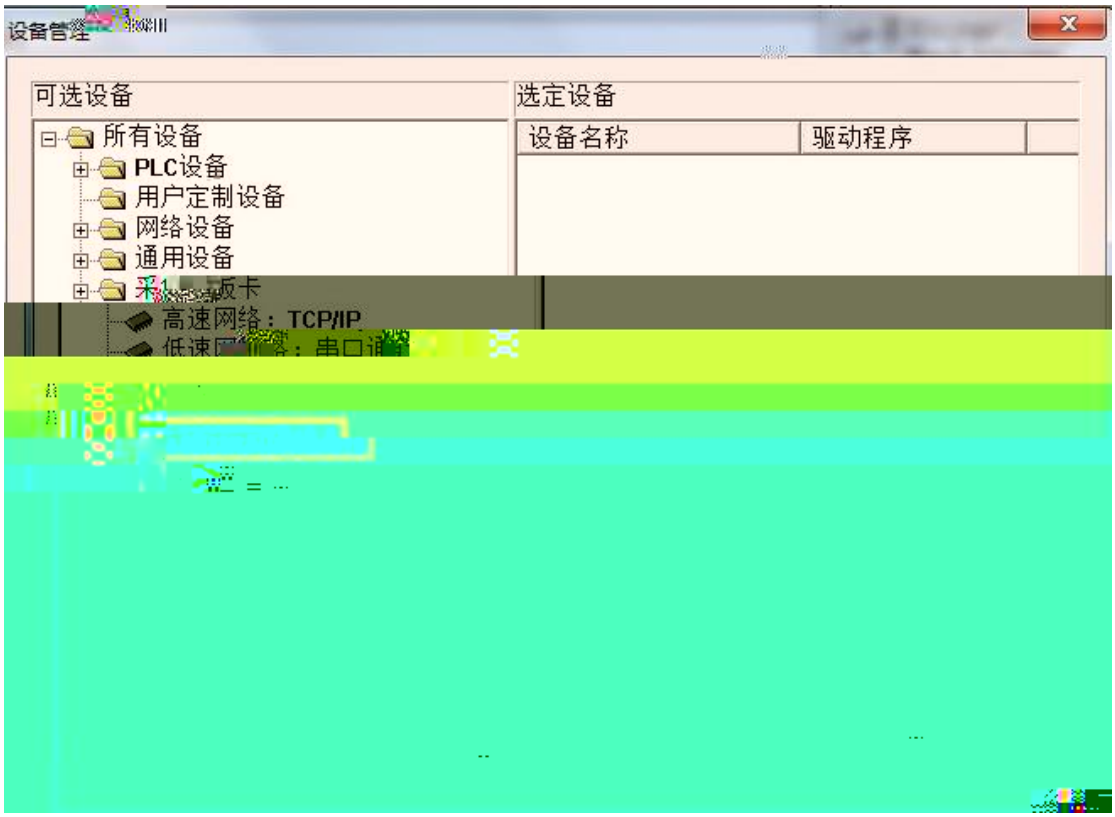


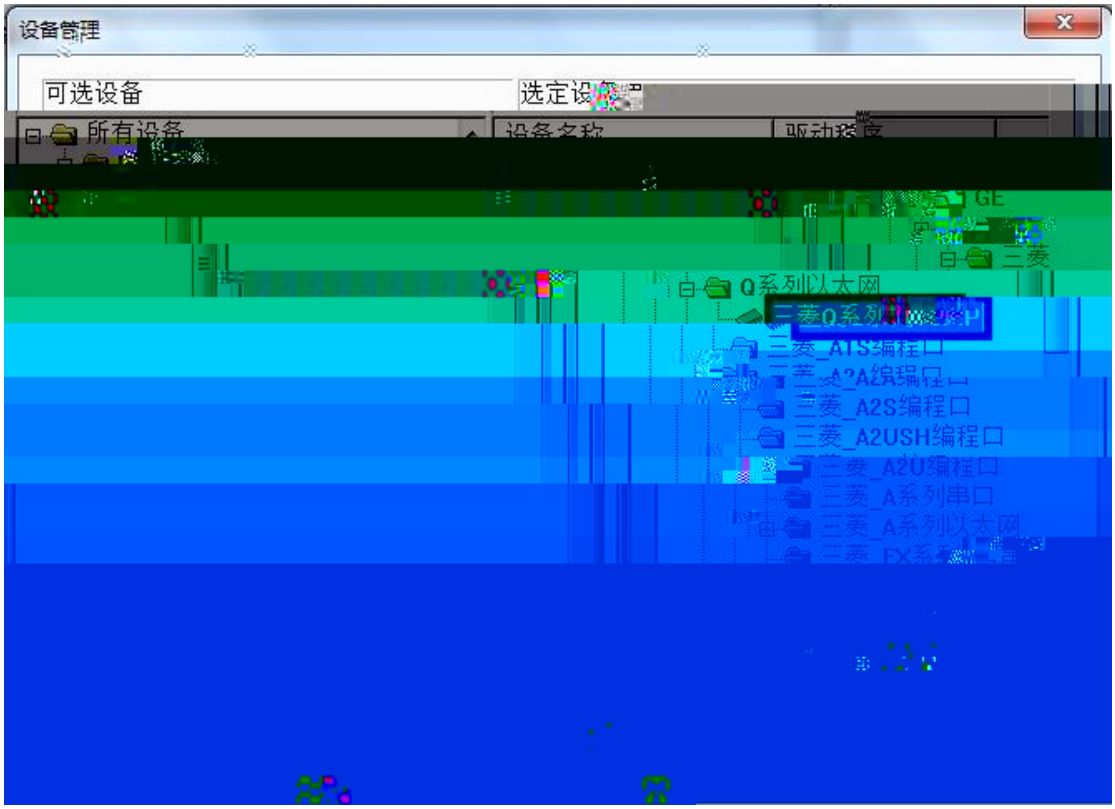
5.



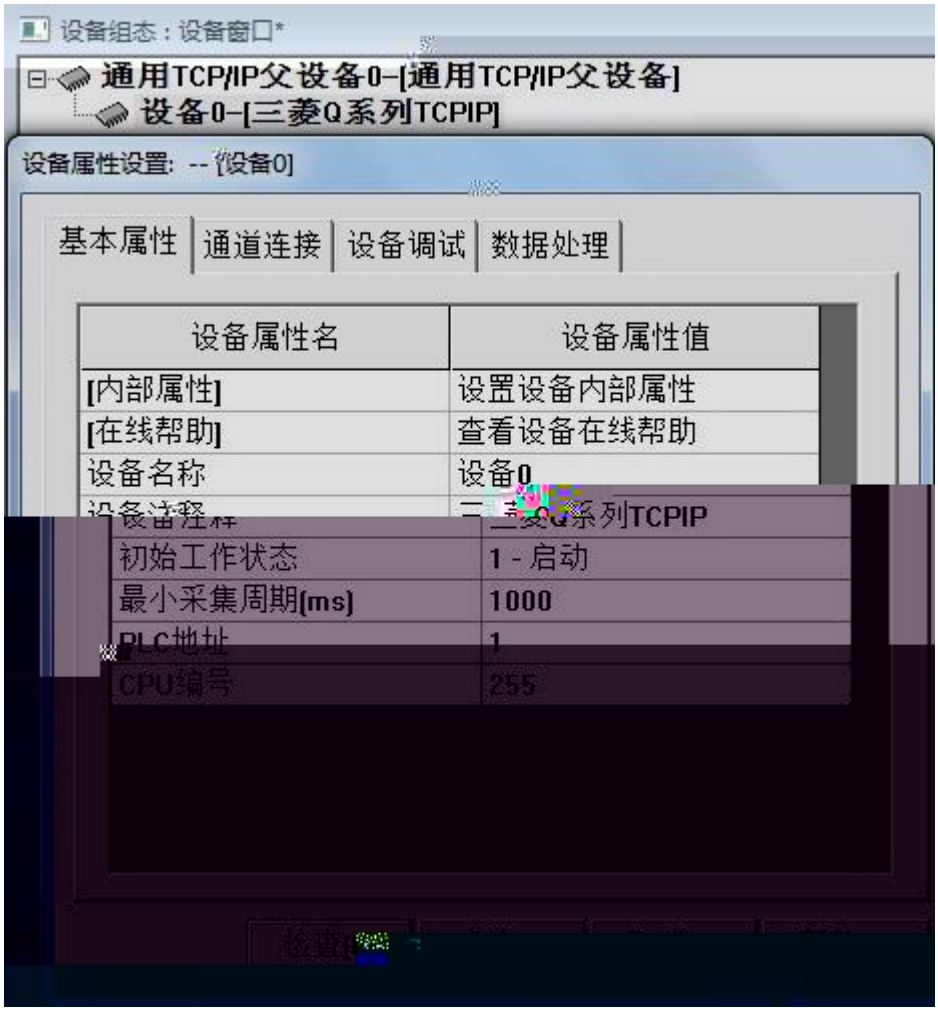
4.3 RVNet-FX MCGS

1. MCGS -- TCP/IP Q TCPIP



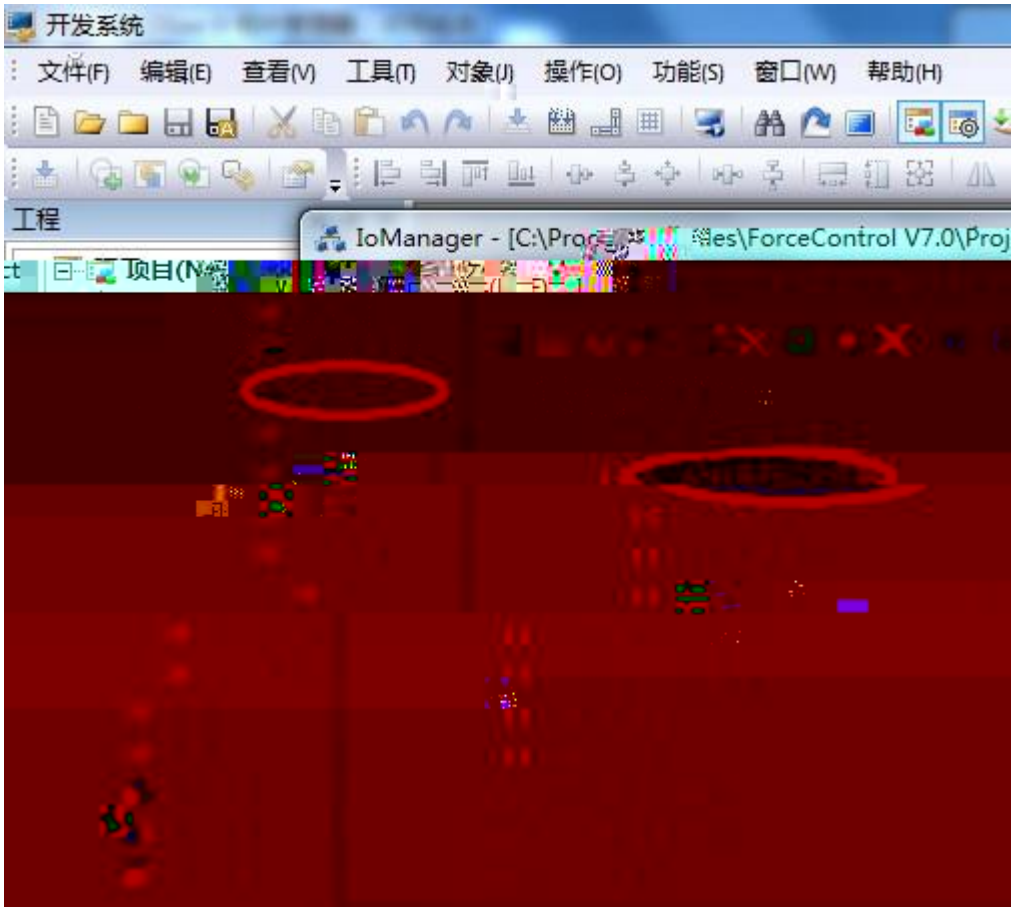


2. TCP/IP 0- TCP/IP 1-TCP IP IP IP RVNet-FX IP 5551



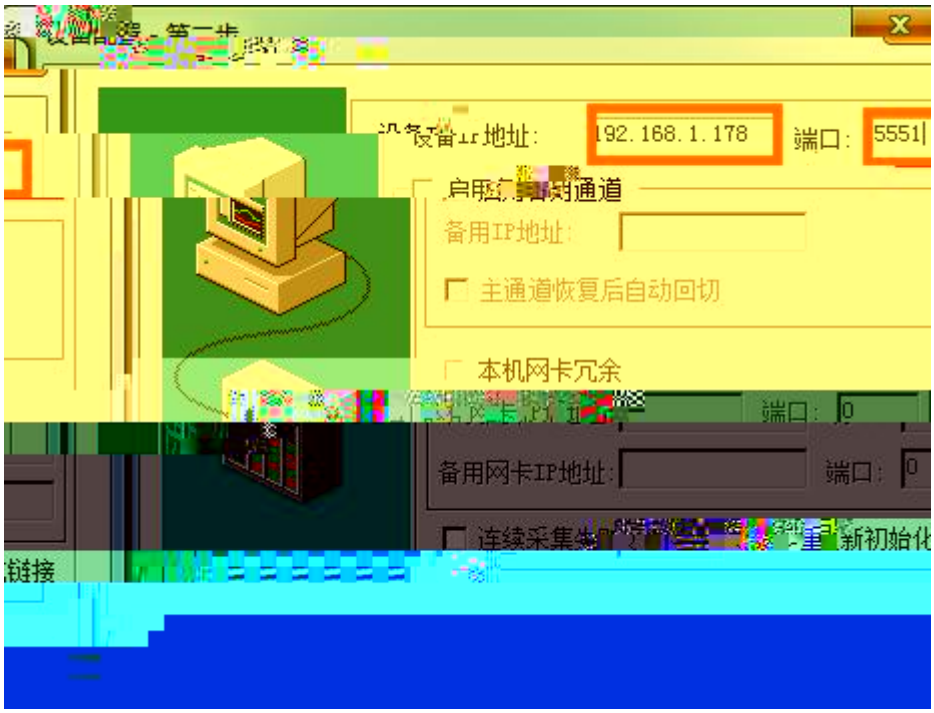
4.4 RVNet-FX

1. IO PLC MITSUBISHI -A ANA

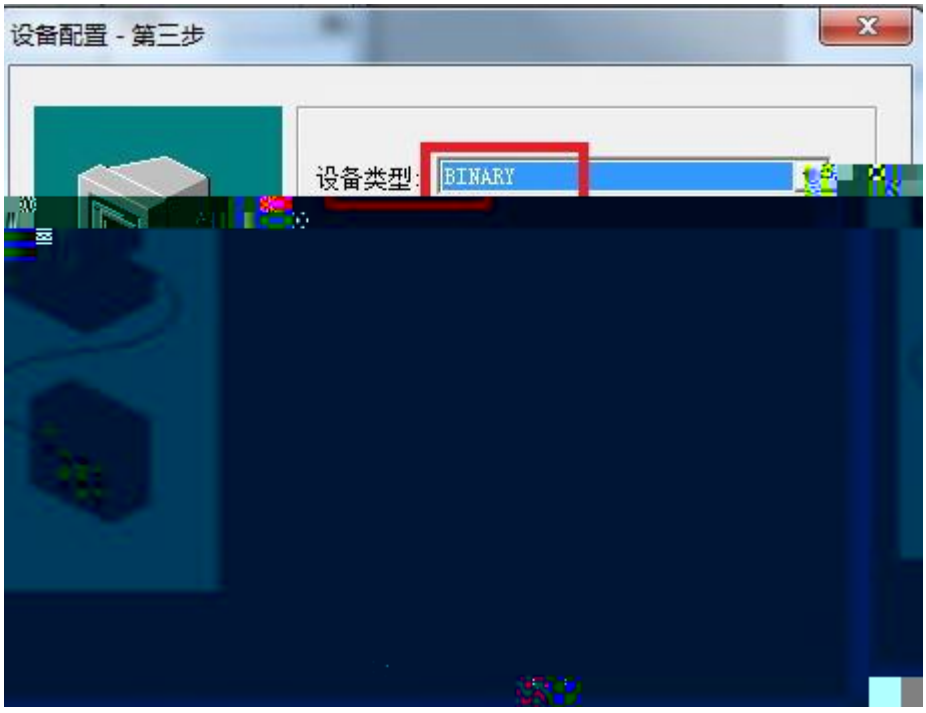


2.

3. IP RVNet-FX IP

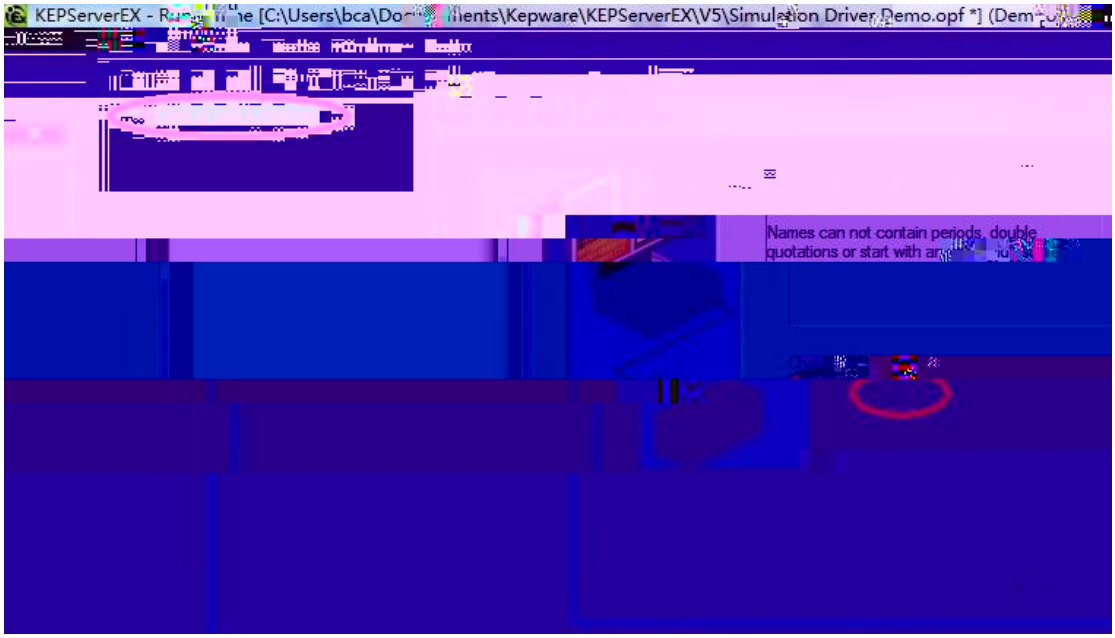


4. BINARY



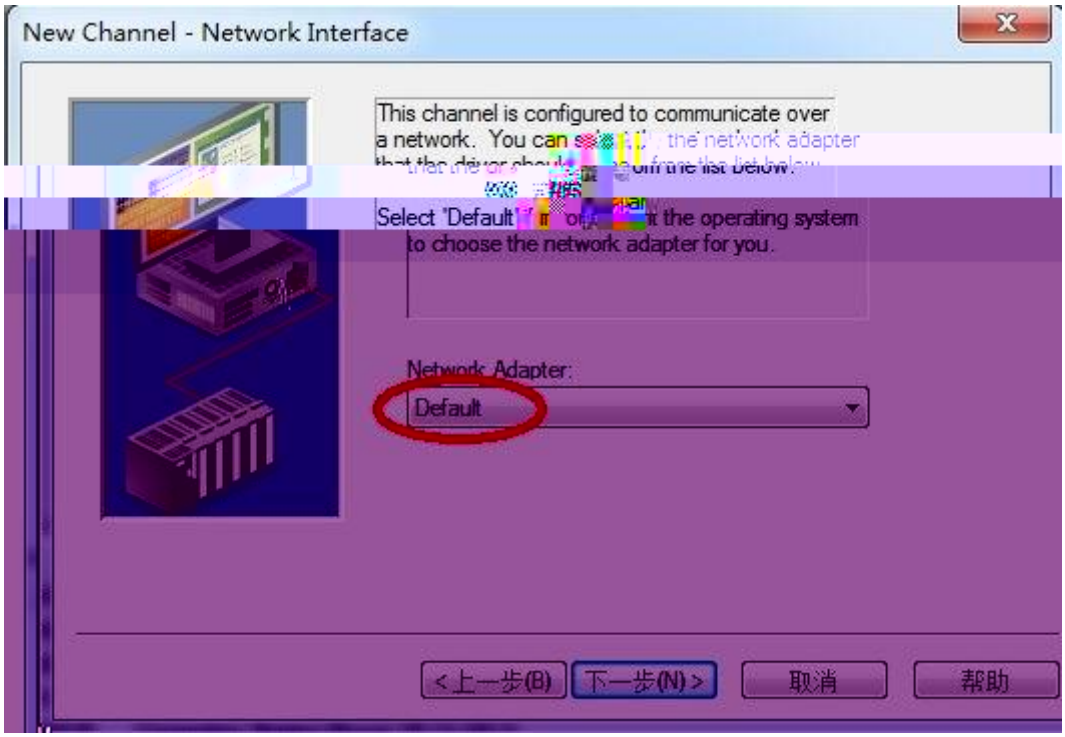
4.5 RVNet-FX Kepware opc

1. KEPServerEX Click to add a channel

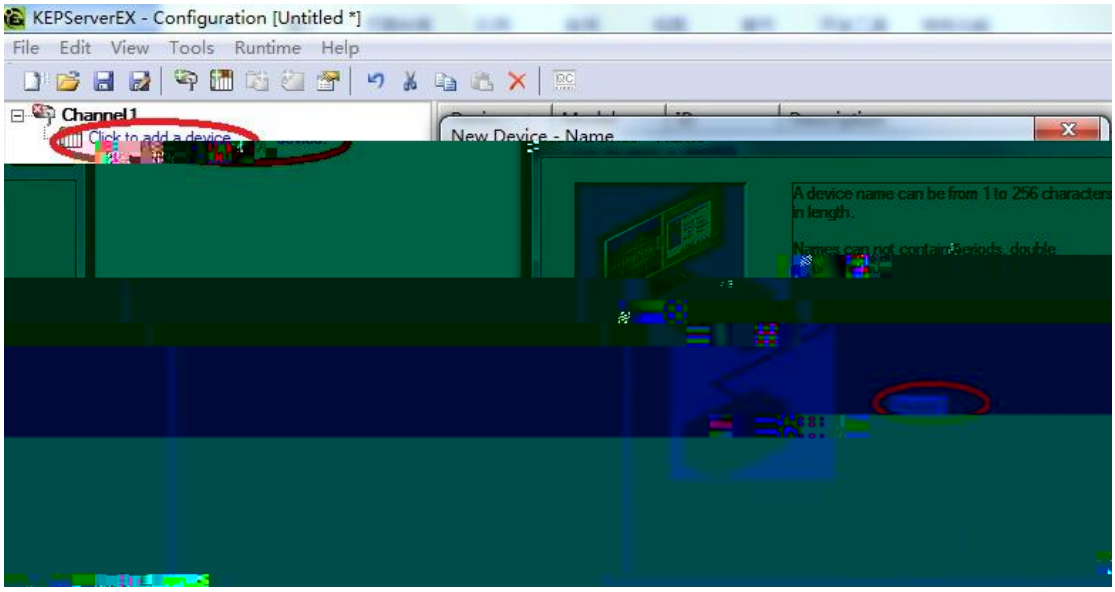


2. Mitsubishi Ethernet

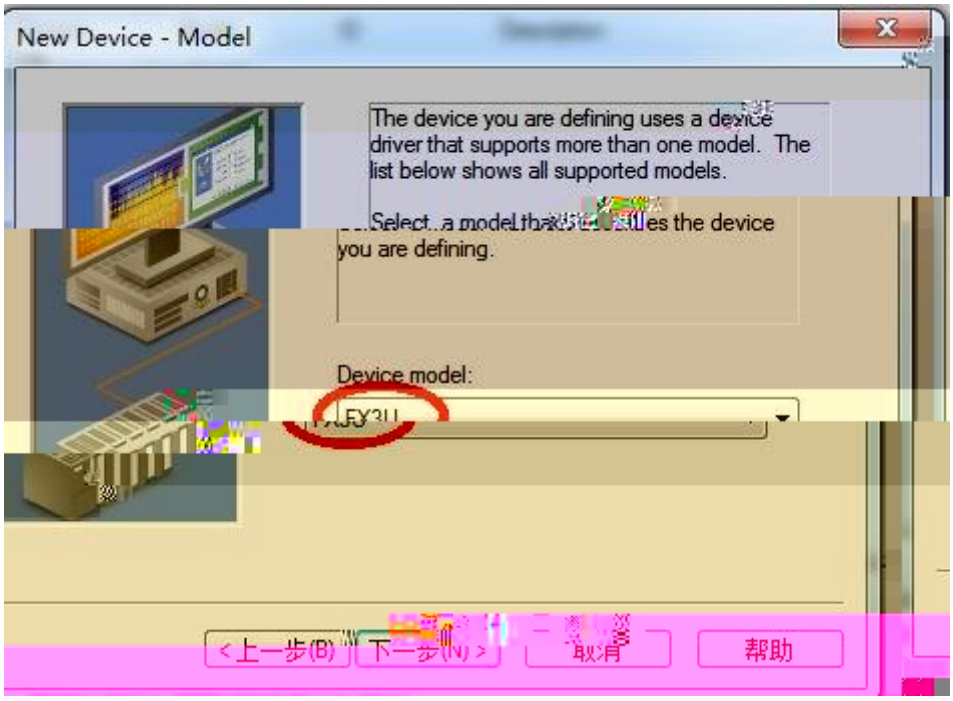
3. “Default”



4. click to add a device ,

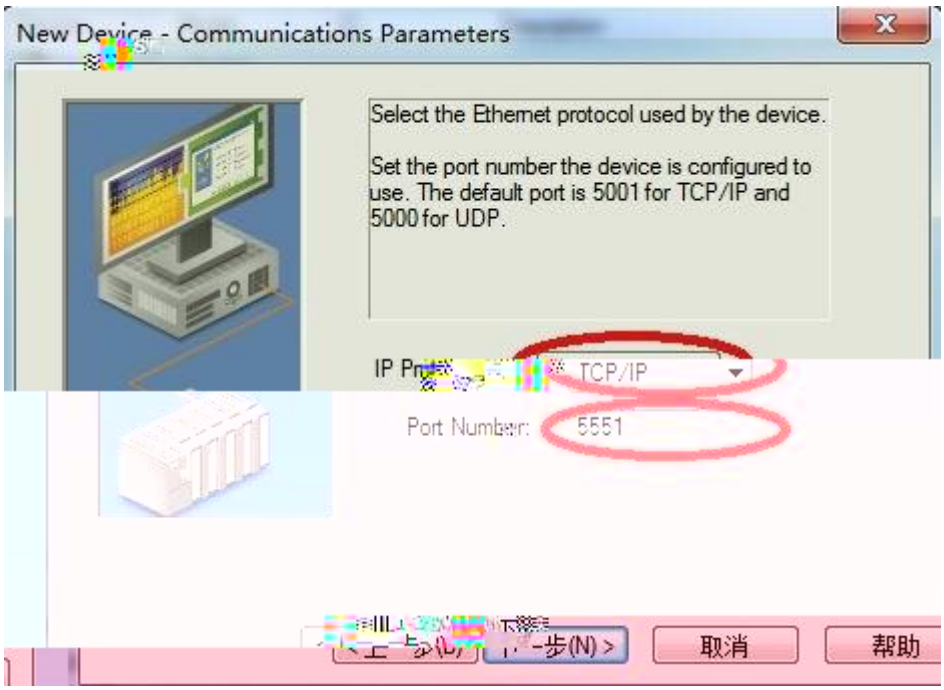


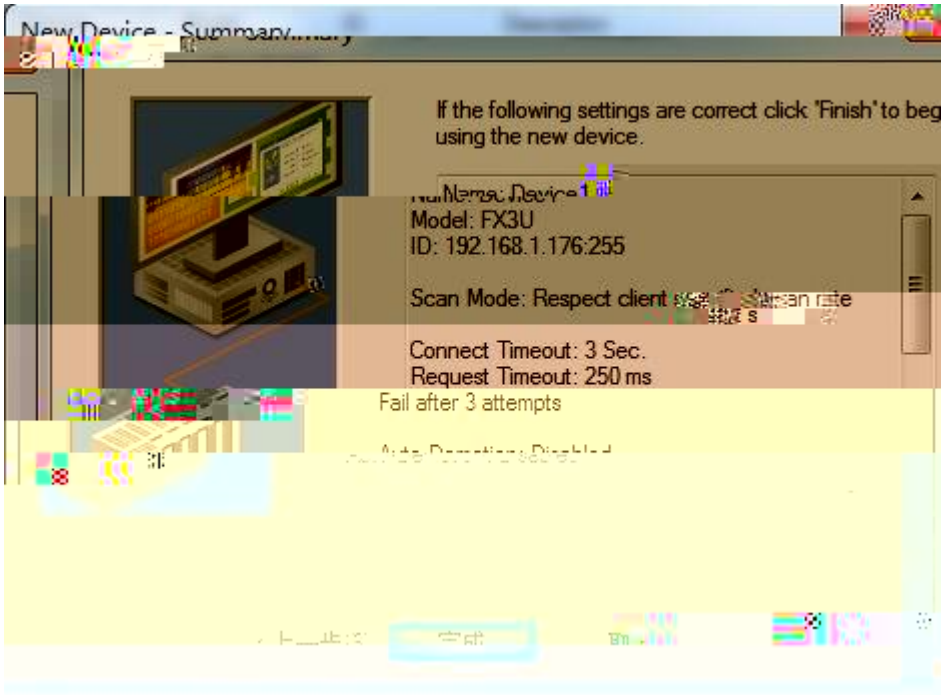
5. PLC



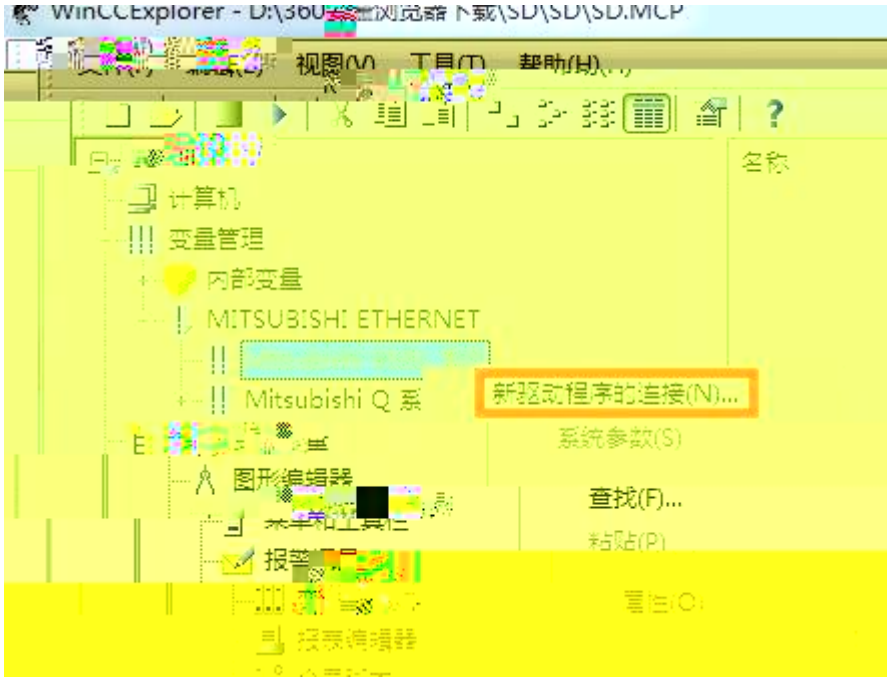
6. IP 255 255

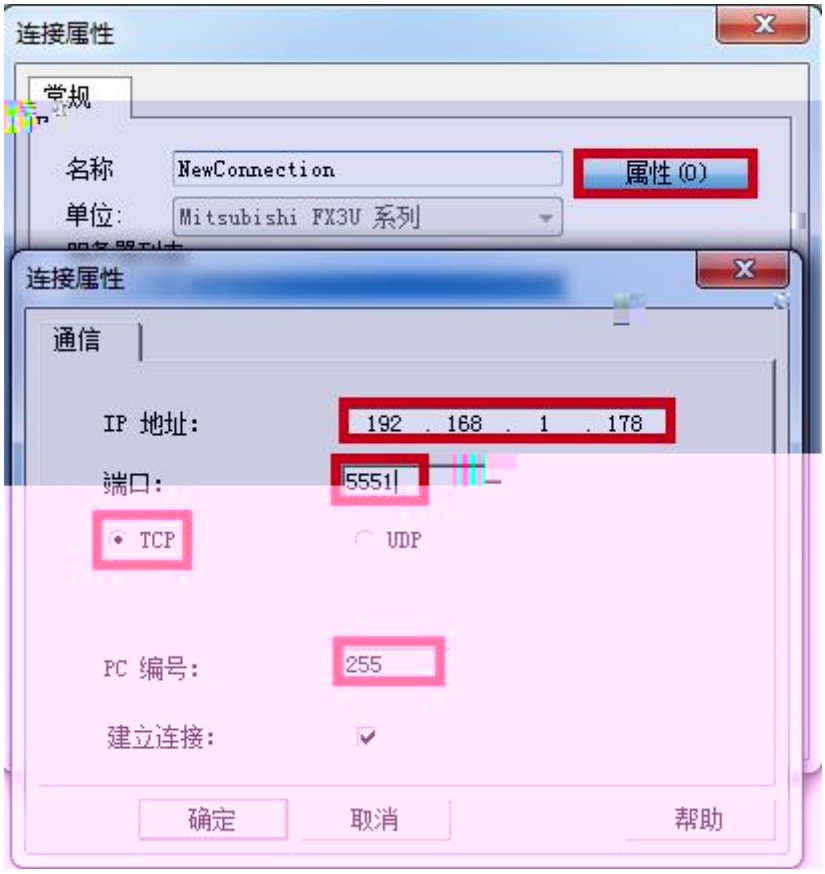
7.IP “TCP/IP” 5551





4.6 RVNet-FX WINCC


视图(V)
工具(T)
帮助(H)
名称
计算机
变量管理
内部变量
MITSUBISHI ETHERNET
Mitsubishi Q 系
新驱动程序的连接(N)...
系统参数(S)
图形编辑器
查找(F)...
粘贴(P)


连接属性
常规
名称
NewConnection
属性(O)
单位:
Mitsubishi FX3U 系列
连接属性
通信
IP 地址:
192 . 168 . 1 . 178
端口:
5551
TCP
UDP
PC 编号:
255
建立连接:
确定
取消
帮助

5.ModbusTCP

0x0	0x0	0x0	0x0	0x0							

Modbus	FX PLC				
000001	Y0		Ymn = 000001+m*8+n		
005001	M8000		M8m = 005001+m		
006001	T0		Tm = 006001+m	FC1( )	FC1:512
007001	C0		Cm = 007001+m	FC5( )	FC5:1
010001	M0		Mm = 010001+m		
030001	S0		Sm = 030001+m		
100001	X0		Xmn = 100001+m*8+n	FC2( )	512
400001	T0		Tm = 400001+m		
401001	C0		Cm = 401001+m	FC3( )	FC3:125
401301	D8000		D8m = 401301+m	FC16( )	FC16:125
402001	D0		Dm = 402001+m	FC6( )	FC6:1
420001	R0		Rm=420001+m		

m Y n Y Y37 m=3,n=7;Y112 m=11,n=2;

m M 8000 M8212 m=212;

m X n Y X37:m=3,n=7;X111:m=11,n=7;

m D 8000 M8120 m=120;

R FX3U R PLC Modubs 6

\ \ modscan2_cr.rar

1. ModScan32

2. Connection/Connect Remote TCP/IP Server RVNet-FX IP Service 502 [OK] 1

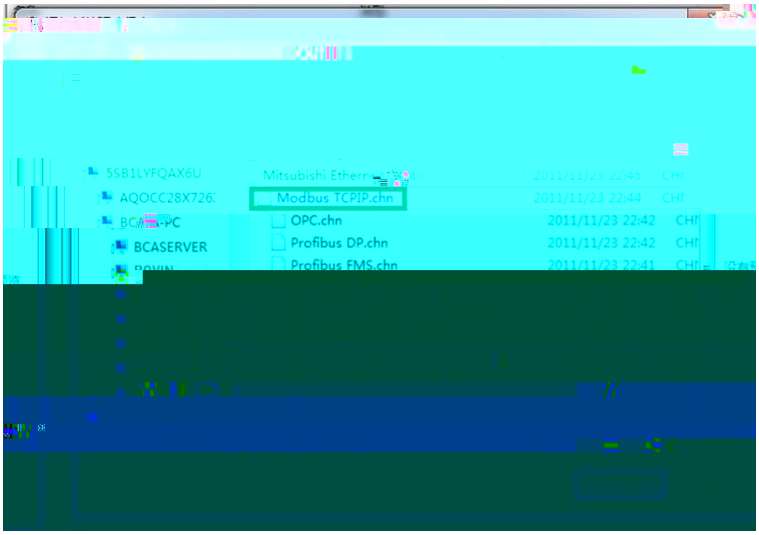
1

3. ModSca1 Device ID PLC 1 03:HOLDING REGISTER Address = 1301 Length = 100

4. 4 1301 4 1400 16 FX PLC D8000 D8100

5.1 WINCC ModbusTCP RVNet-FX

1. Wincc “ ” “ ”
“Modbus TCPIP.chn” “ ”



2. “Modbus TCPIP/IP #1” “ ” “ ”
CPU 984 “ ” RVNet-FX IP ,

3. “ ” D0 “ ”
“ ” “4x ” “4x”_

>ŞÖĞ

7.

2755

250101

0531-88689022

0531-88689022

111

266107

0532-68894021 83029299

0532-83029299

18753243991 garywei@dingtalk.com

www.roviniot.com