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Path through manual

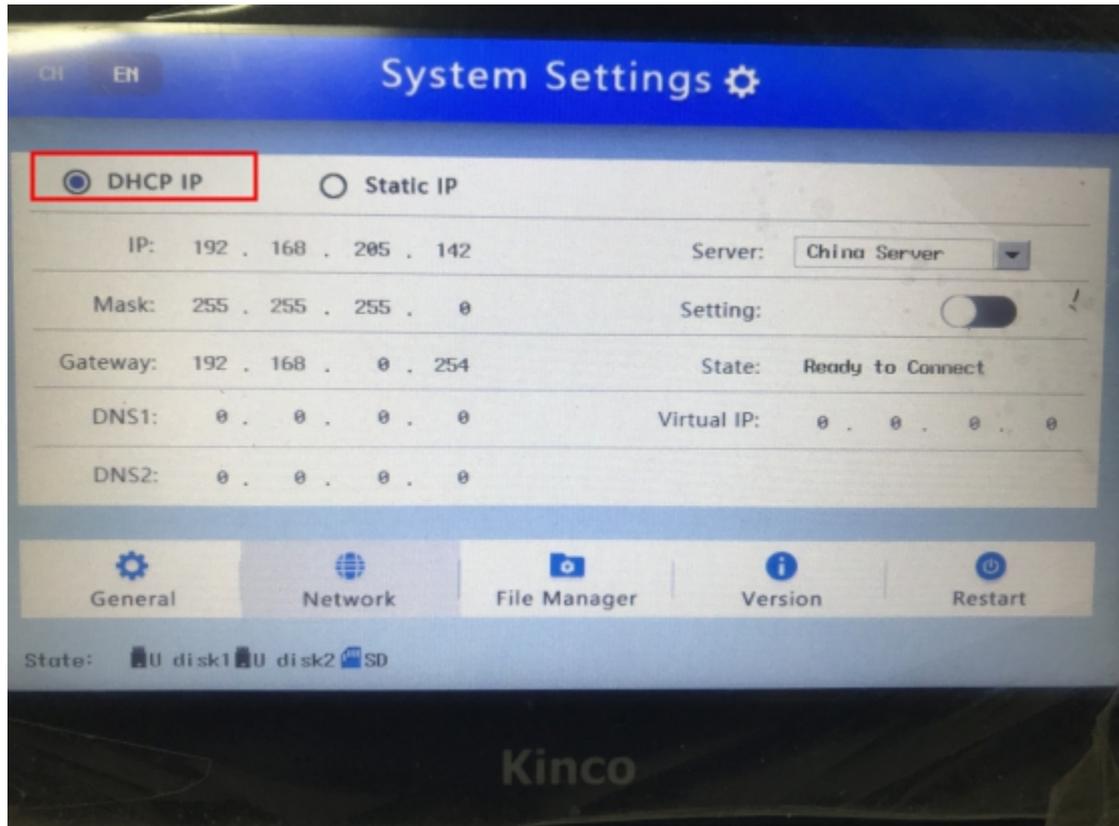
1. Net pass through

1.1 VPN external network connection of HMI and PC

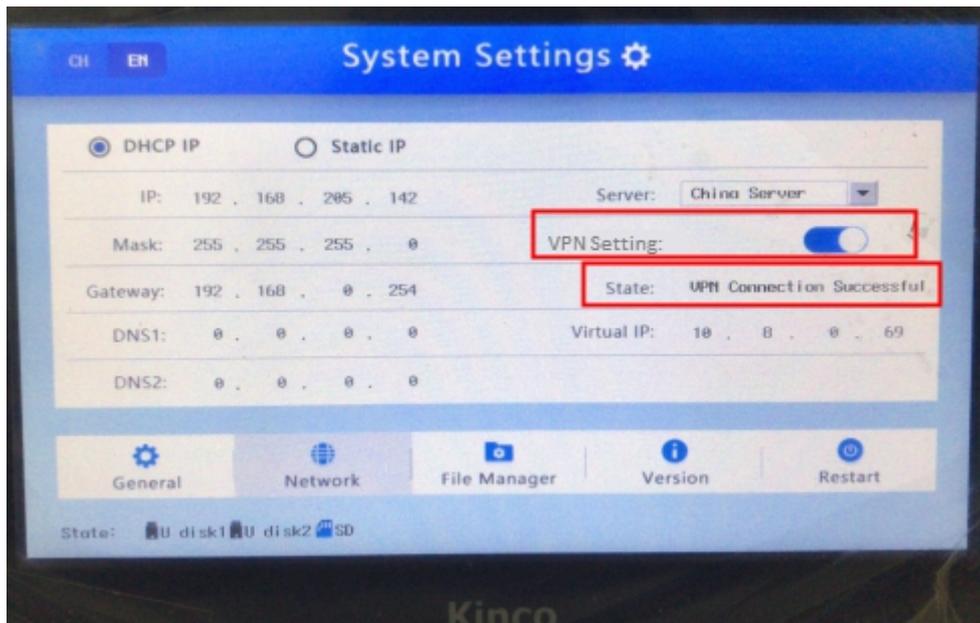
1.1.1 HMI settings

1. Make sure the HMI external network connection is normal.

2. Switch HMI into "System settings" mode, choose "Network Settings", and select "DHCP IP"

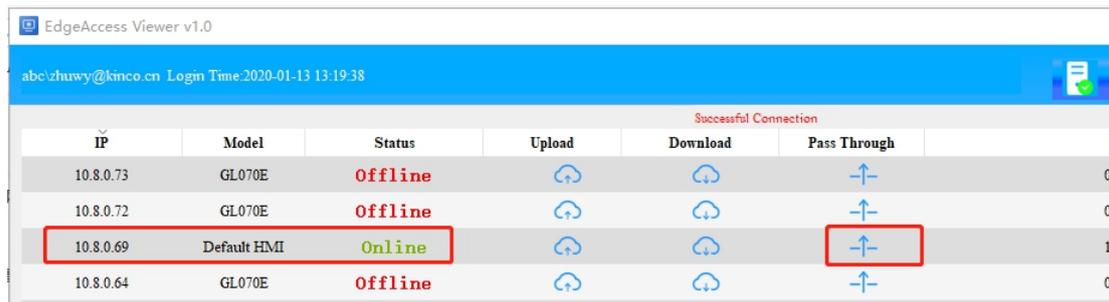


3. Turn on the "VPN connection" function and wait for a while to see the status display "VPN connection successful". (Please ensure that the screen has been authorized by the platform administrator)



1.1.2 PC Settings

1. Open EdgeAccessViewer and log in to find the screen you need to operate. This article uses 10.8.0.69 as an example. Click the pass through icon to enter the network transparent transmission setting interface.



1.2 Examples of PLC pass through settings

We explain the operation of the following representative PLC downloading programs by HMI pass through. The uploading program and online monitoring operation are similar. (Please refer to Annex 1 for the current PLC series that support Ethernet transparent transmission)

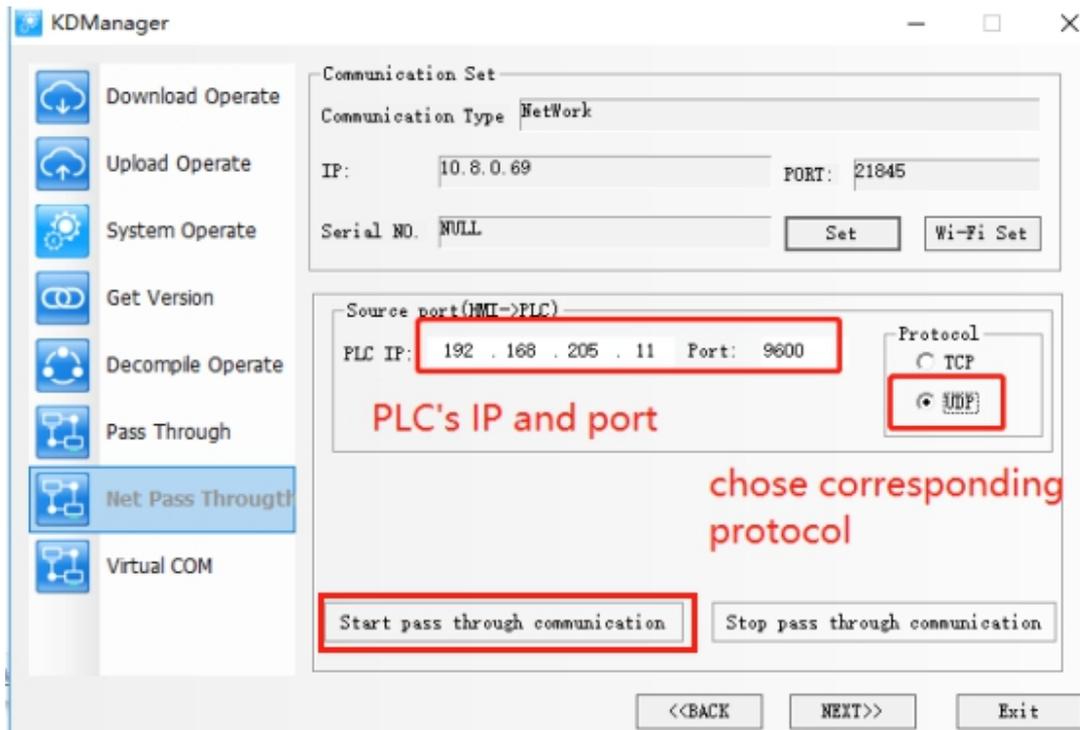
PLC	model	Port\protocol	Settings
OMRON	OMRON CP Series	9600\UDP	Setting
Delta	Delta DVP	502\TCP	Setting
Siemens	1200\1500	102\TCP	Setting
Mitsubishi	FX5U	5562\TCP	Setting
Panasonic	Panasonic FP Series	Search port by tool\TCP	Setting

1.2.1 OMRON CP Series

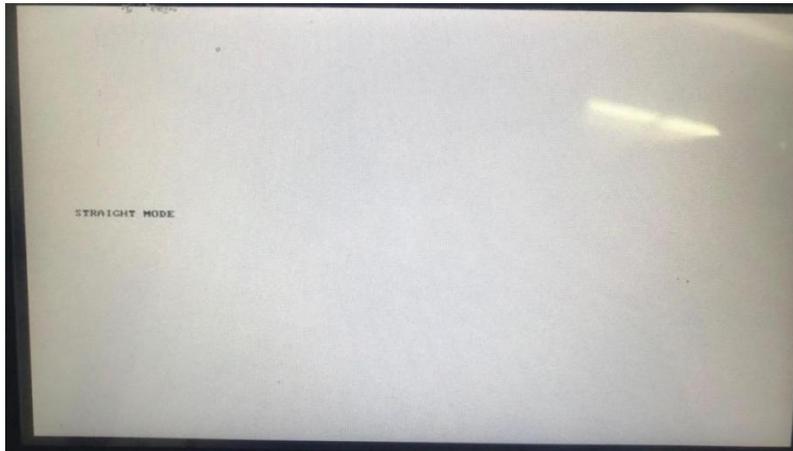
OMRONCP1L PLC for example:

PLC's ip is 192.168.205.11 (The wired Ethernet IP of the touch screen must be in the same network segment as the IP of the PLC, like 192.168.205.XXX), PLC software download default port

is 9600, KDmanager setting :

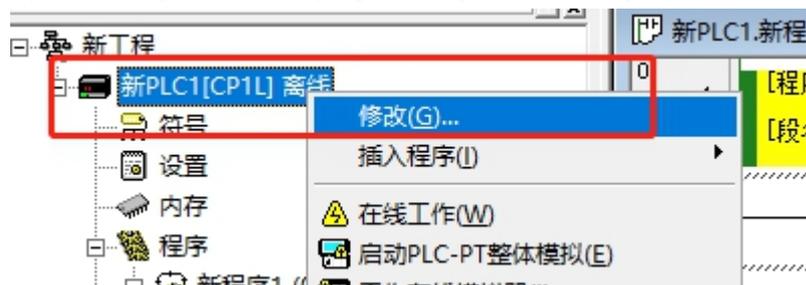


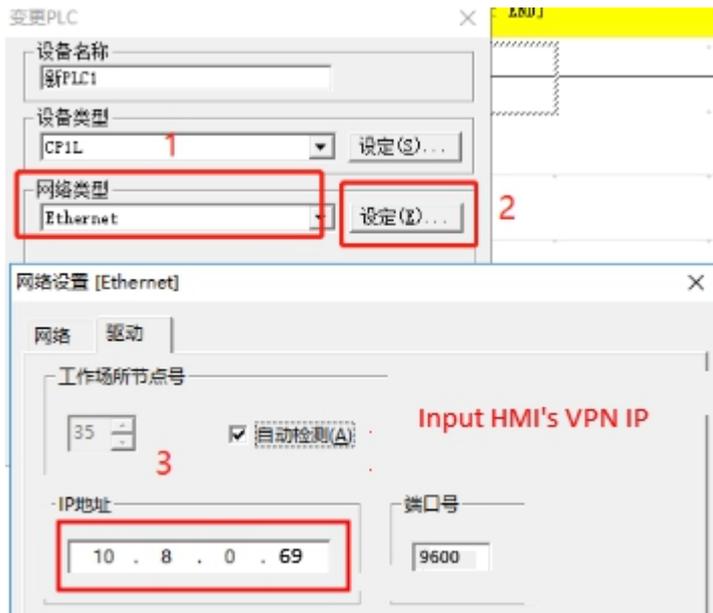
Click "start pass through communication", the screen will enter a white screen state, as shown in the figure



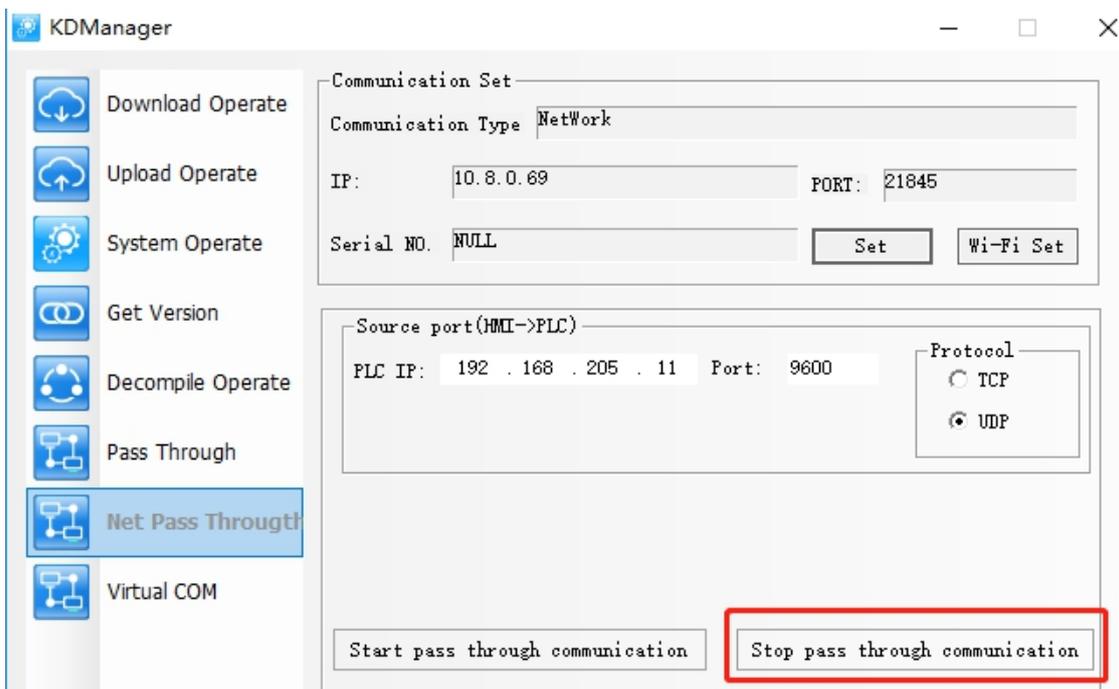
PLC software VPN pass through setting:

Open CX-programmer PLC programming software, input VPN IP (10.8.0.69) for Online IP



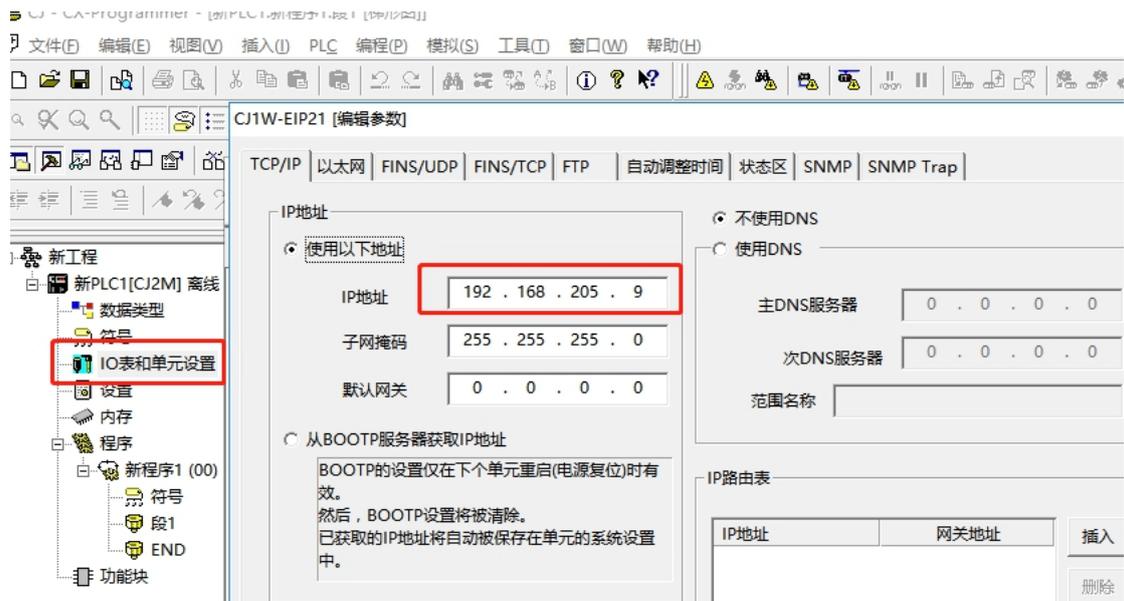


After downloading the PLC project, chose “stop pass through”to exit and the screen will resume working status.

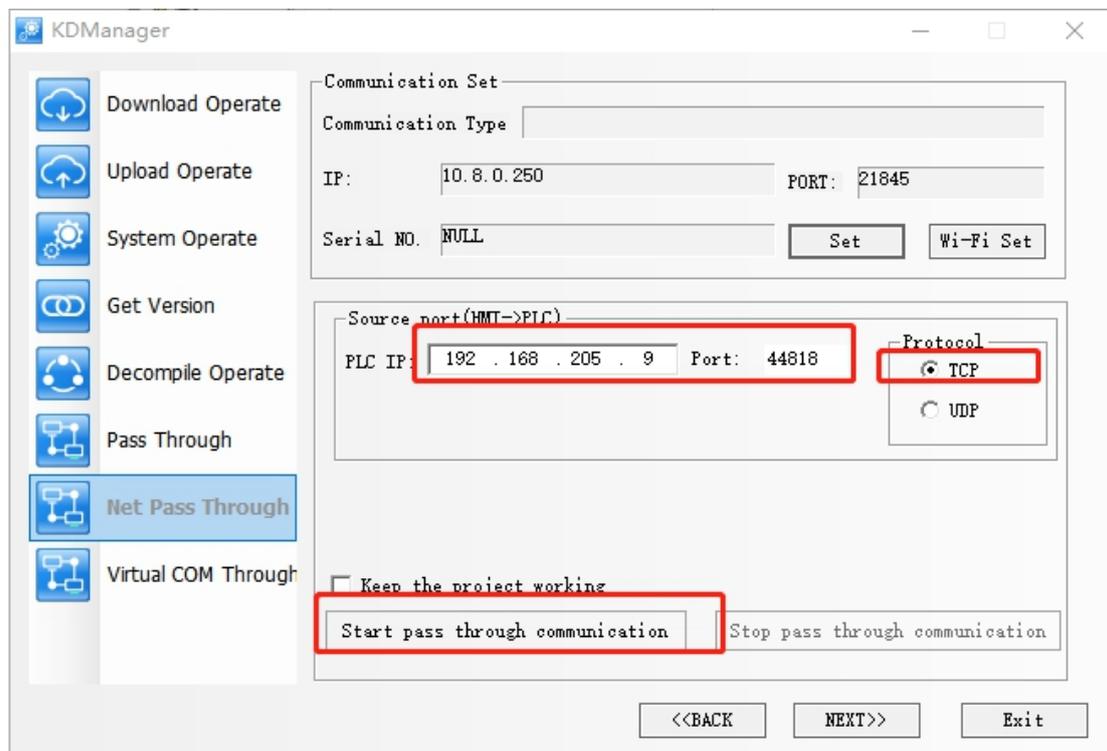


1.2.2 OMRON CJ Series

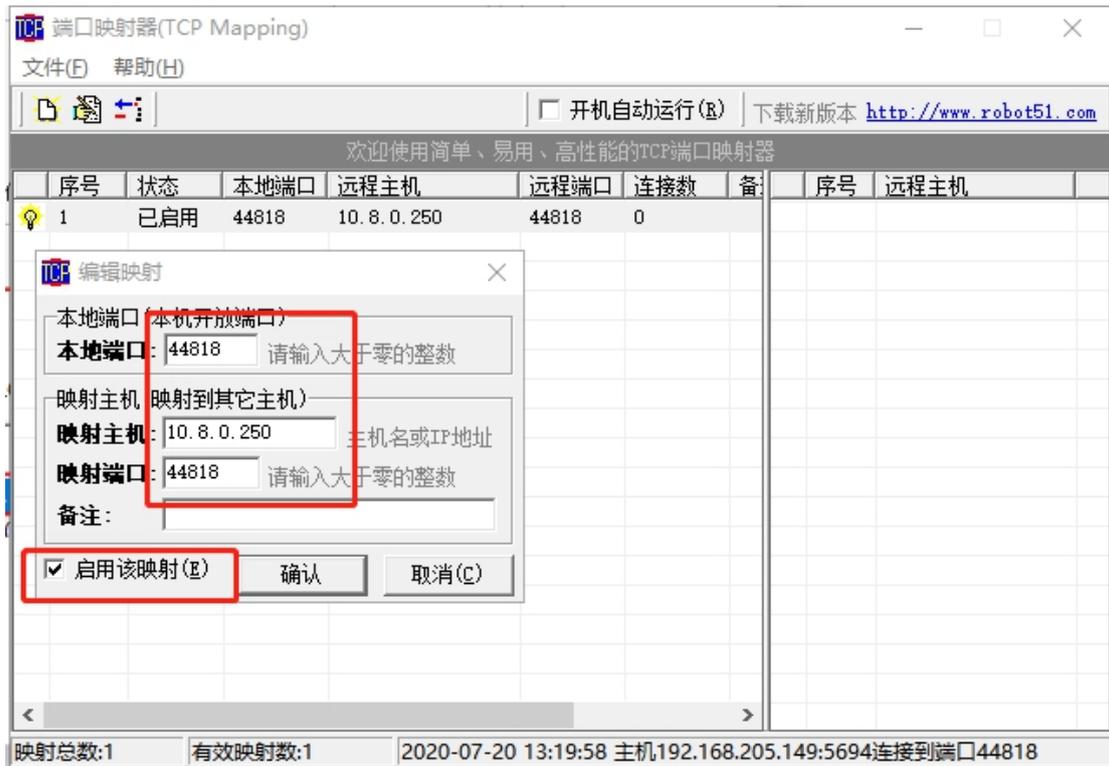
1. First change the IP of the PLC to be the same as the network segment of the computer, for example 192.168.205.9, download to the PLC and restart the PLC



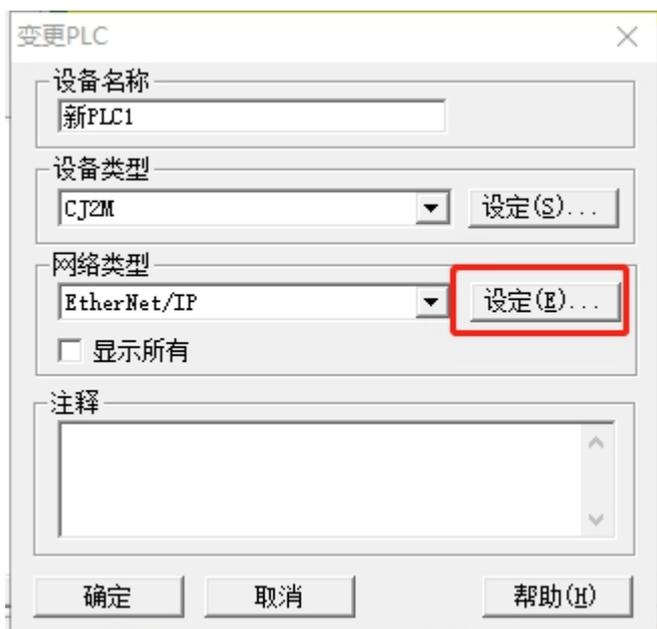
2. KDmanager setting



3. Use TCP port mapping tool to map the screen's VPN IP to port number 44818



PLC Software settings: Open CX-programmer PLC software, setting the online IP to the local IP of the computer



```

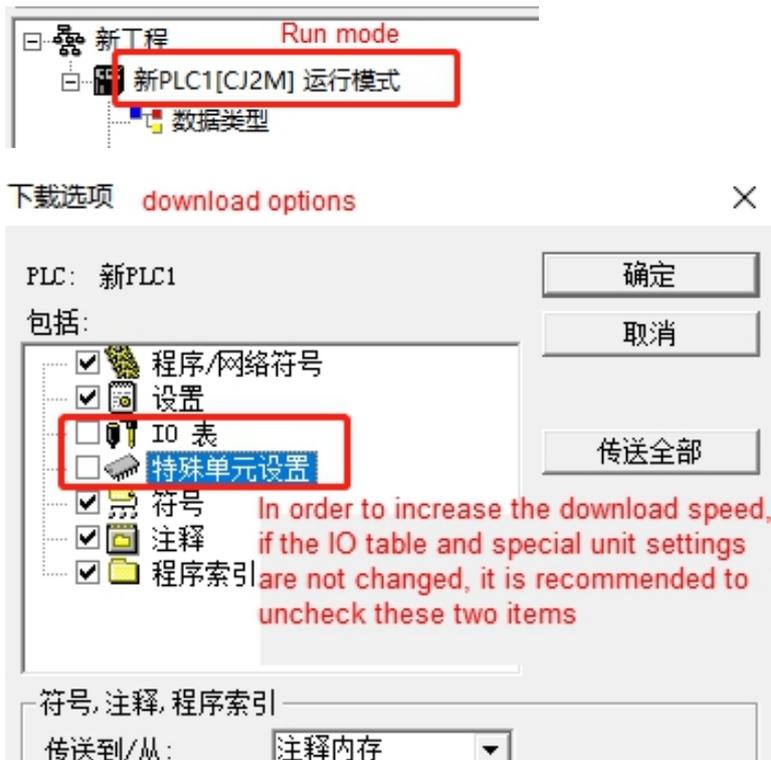
C:\WINDOWS\system32\cmd.exe
默认网关. . . . . :
以太网适配器 以太网:

连接特定的 DNS 后缀 . . . . . :
本地连接 IPv6 地址. . . . . : fe80::78fb:4428:f5f9:df14%5
IPv4 地址 . . . . . : 192.168.1.233
子网掩码 . . . . . : 255.255.255.0
IPv4 地址 . . . . . : 192.168.2.222
子网掩码 . . . . . : 255.255.255.0
IPv4 地址 . . . . . : 192.168.9.149
子网掩码 . . . . . : 255.255.255.0
IPv4 地址 . . . . . : 192.168.10.149
子网掩码 . . . . . : 255.255.255.0
IPv4 地址 . . . . . : 192.168.21.233
子网掩码 . . . . . : 255.255.255.0
IPv4 地址 . . . . . : 192.168.31.233
子网掩码 . . . . . : 255.255.255.0
IPv4 地址 . . . . . : 192.168.205.149
子网掩码 . . . . . : 255.255.255.0
IPv4 地址 . . . . . : 192.168.210.126

```

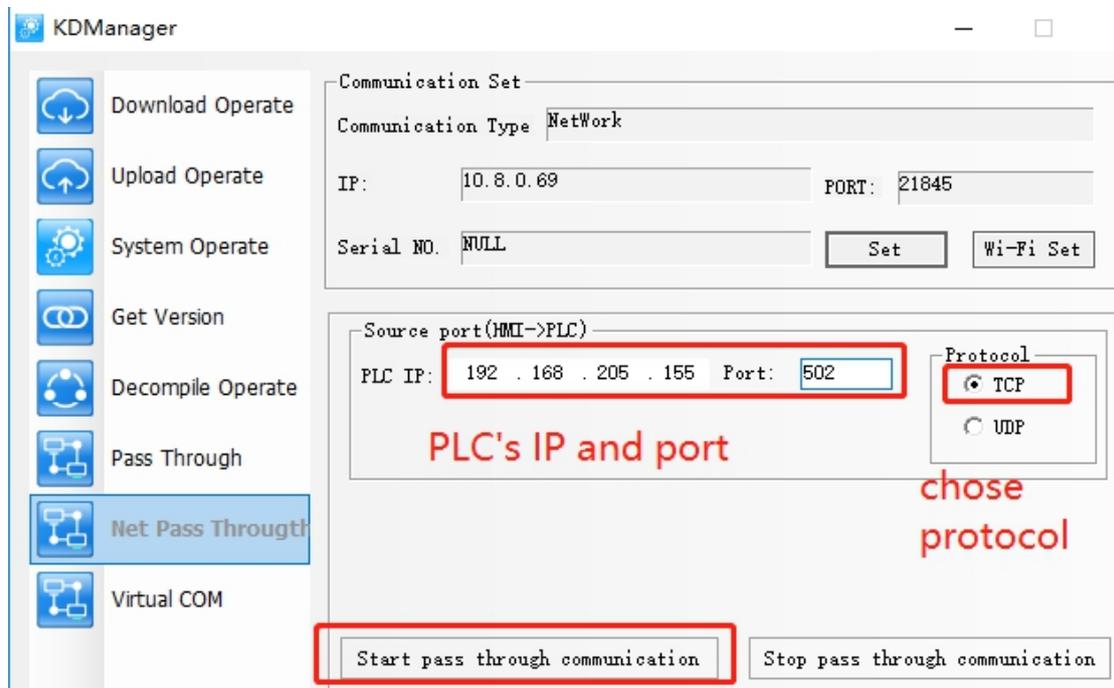
Fill in the local IP of the computer into the PLC software connection settings



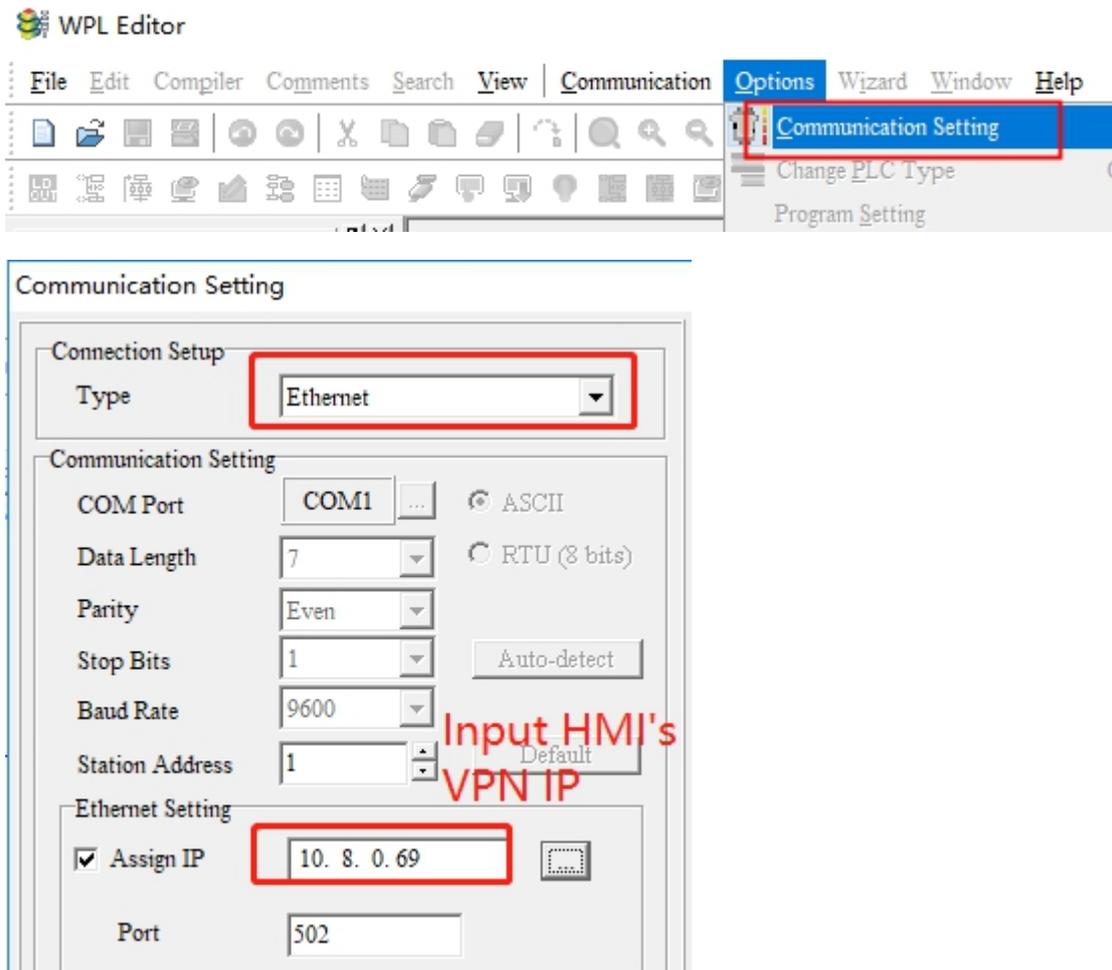


1.2.3 Delta DVP

For example: DVP PLC's IP is 192.168.205.155, Use EdgAccess Viewer to open pass through, KManager settings as below:

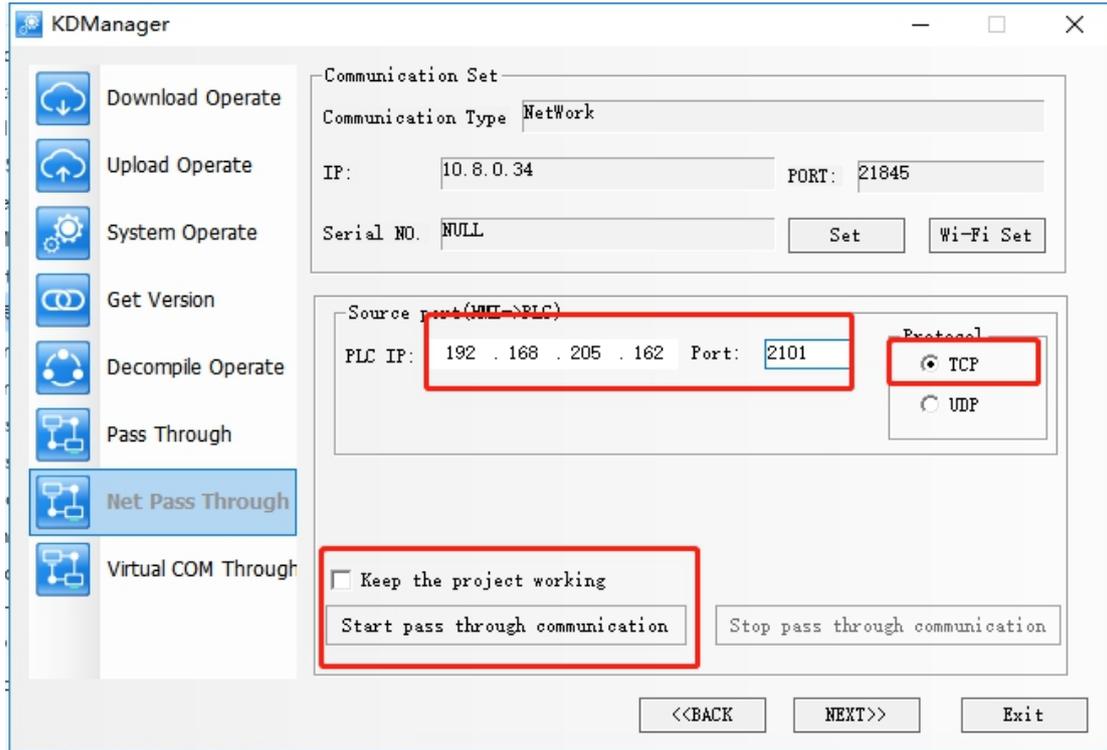


PLC Software settings: Options---Communication Setting



1.2.4 IDEC FC Series

For example:FC 6A's IP is 192.168.205.162 ; Open Edgaccess and chose pass-through ,KDmanager settings as below

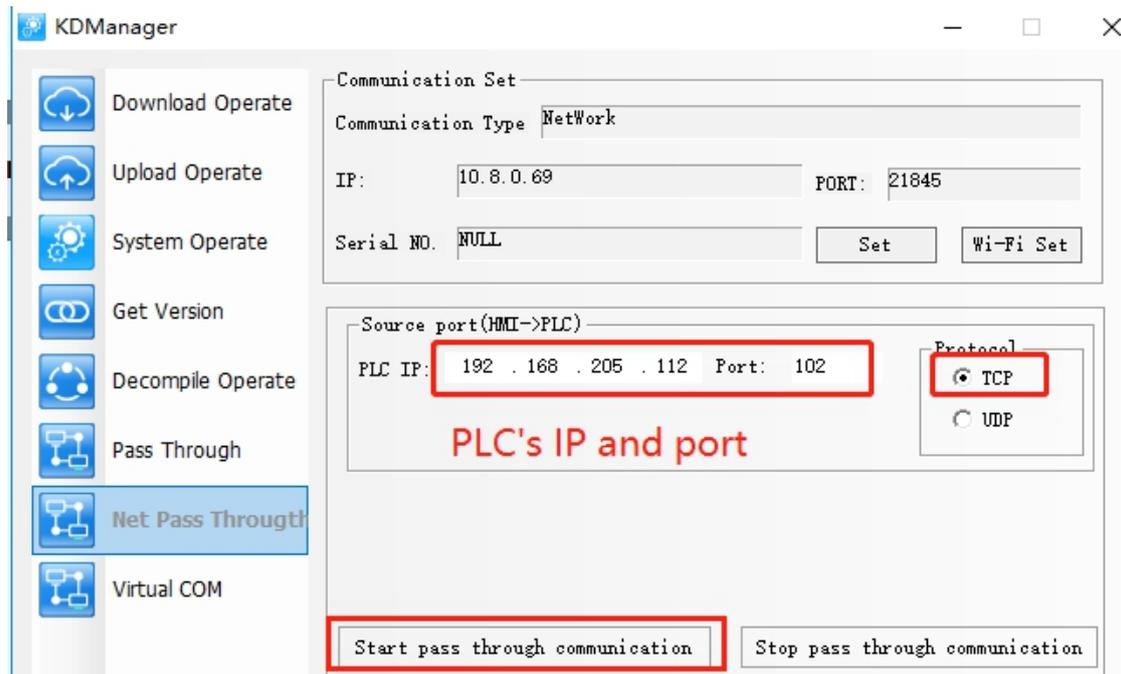


PLC Settings:



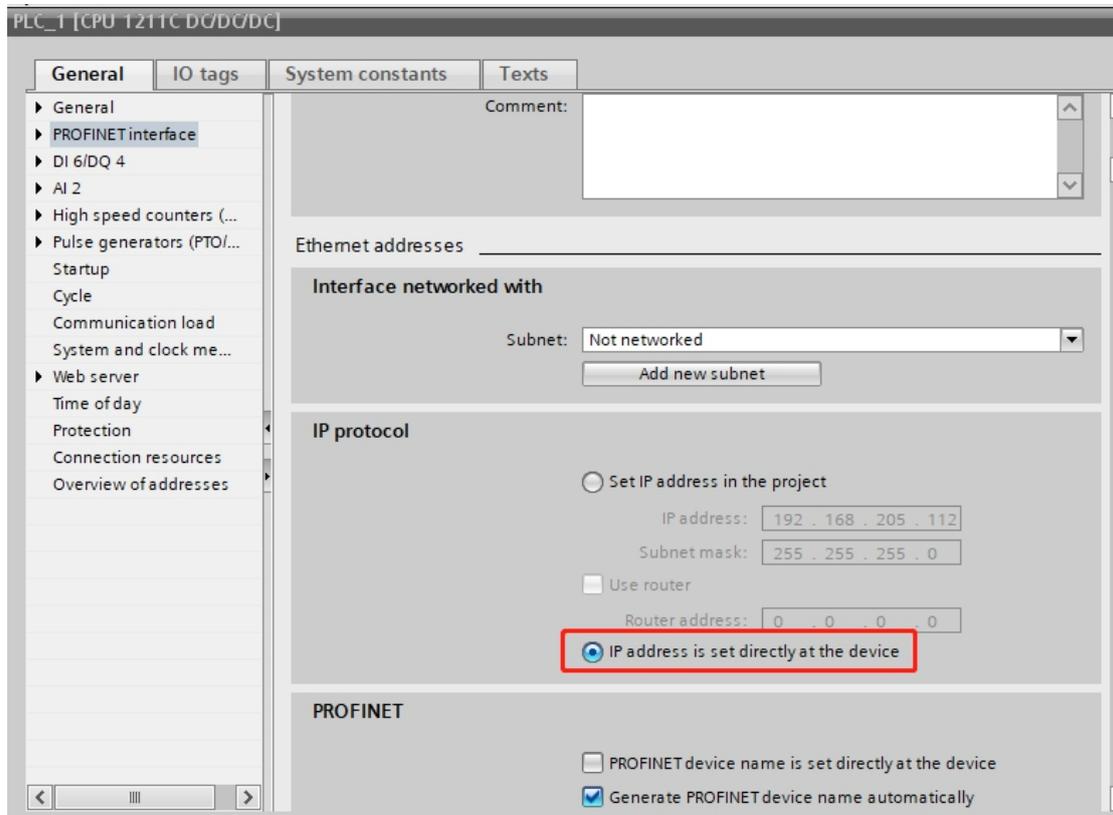
1.2.5 Siemens 1200\1500\ET200\300

KDmanager Settings:

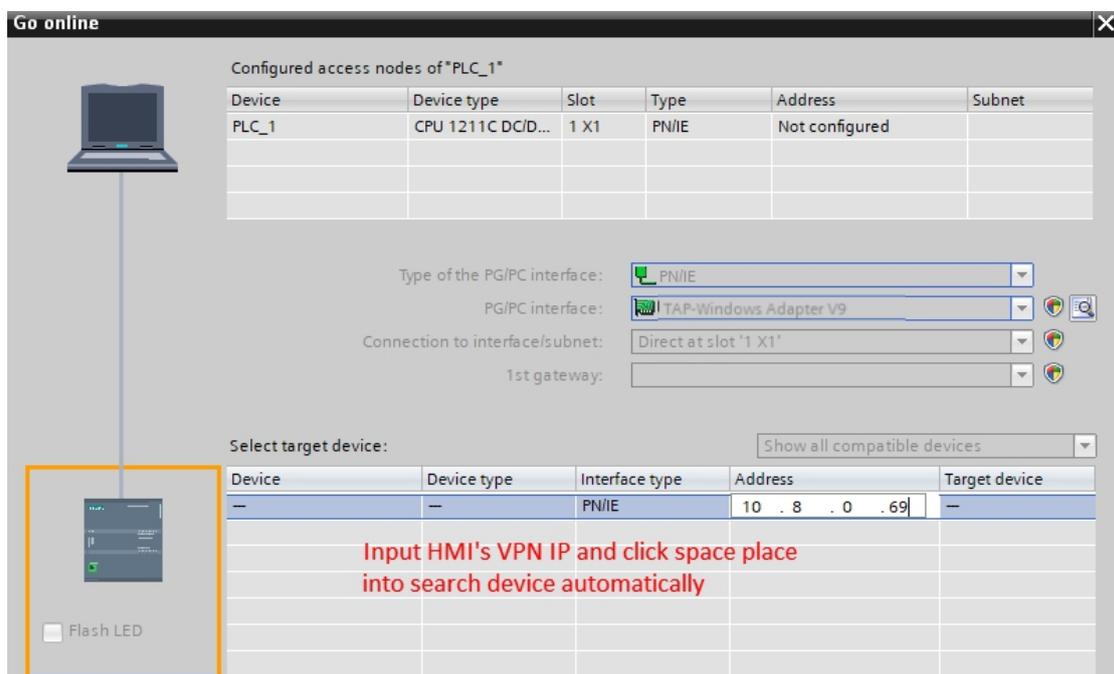
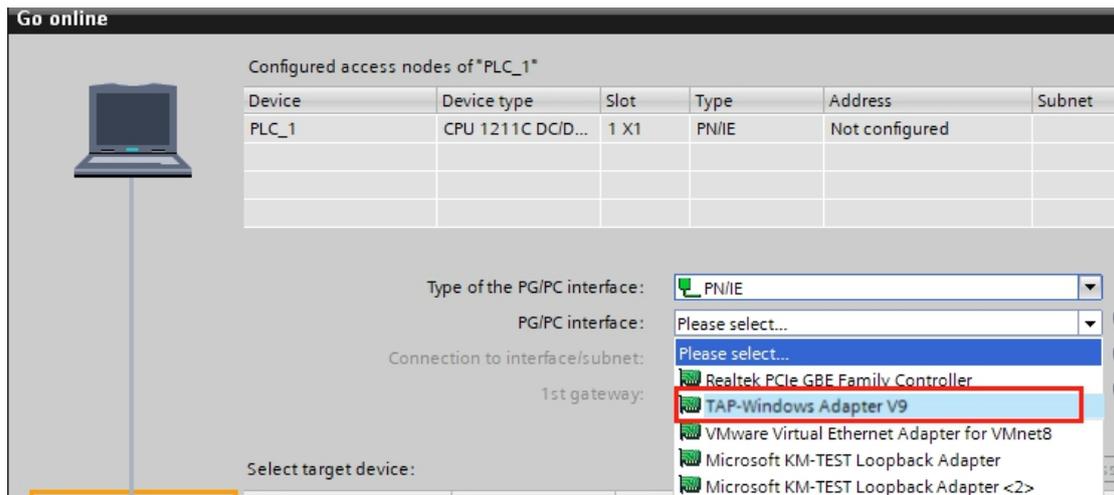


PLC Software Setting :(Note: Portal software V15 may not support some 1200 models, it is recommended to use V14 and below)

Open portal TIA software---PLC properties---PROFINET interface



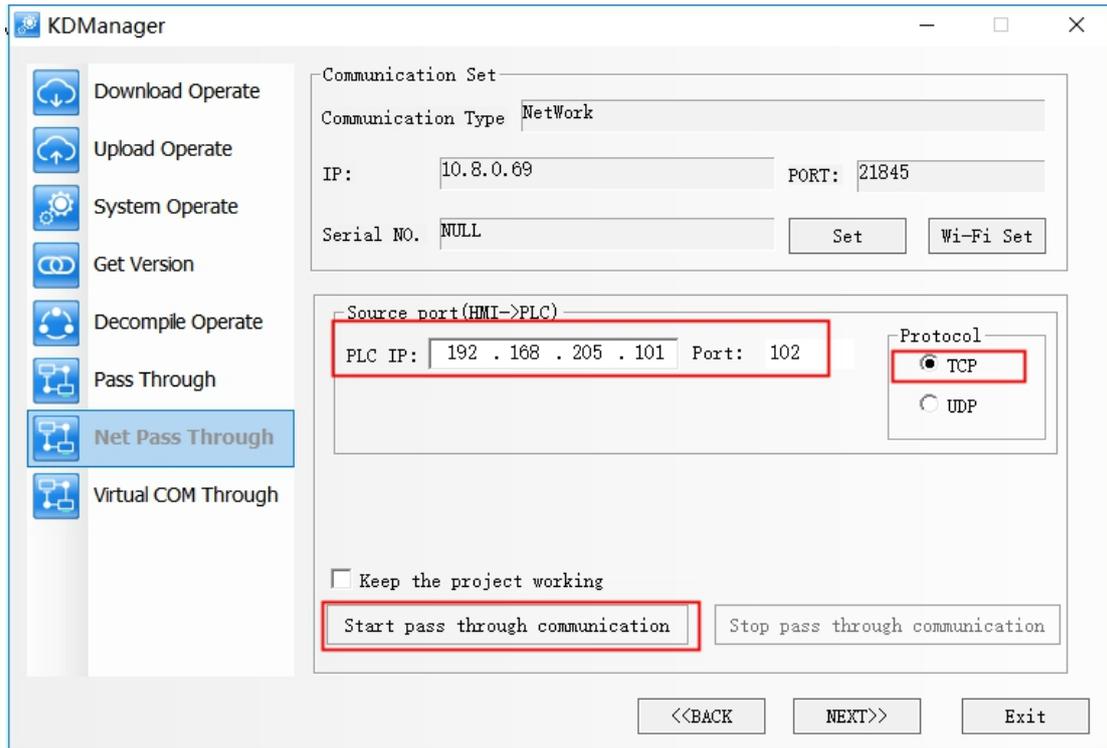
Click "Go online", chose TAP V9 for VPN



After searching device successfully, click Go Online, you can enter the online simulation, and download the PLC program.

1.2.6 Siemens smart 200

KDmanager Settings:



PLC Software settings:

System Block

	Module	Version	Input	Output	Order Number
CPU	CPU ST40 (DC/DC/DC)	V02.05.00_00.00.07.00	I0.0	Q0.0	6ES7 288-1ST40-0AA
SB					
EM 0					
EM 1					
EM 2					
EM 3					
EM 4					
EM 5					

- Communication
- Digital Inputs
 - I0.0 - I0.7
 - I1.0 - I1.7
 - I2.0 - I2.7
- Digital Outputs
- Retentive Ranges
- Security
- Startup

Ethernet Port

IP address data is fixed to the values below and cannot be changed by other means

IP Address: . . .

Subnet Mask: . . .

Default Gateway: . . .

Station Name:

Background Time

Select Communications Background Time (5 - 50%)

RS485 Port

RS485 settings allow you to adjust the communications parameters that the PLC and HMI devices use to communicate

Address:

Baud Rate:

don't check this

Communications

Communication Interface: TAP-Windows Adapter V9.TCPIP.1

Press the "Edit" button to change the IP of the selected CPU. Press the "Flash Lights" flash CPU LEDs to visually locate a connection.

Found CPUs

Added CPUs

- 192.168.0.2

Add CPU

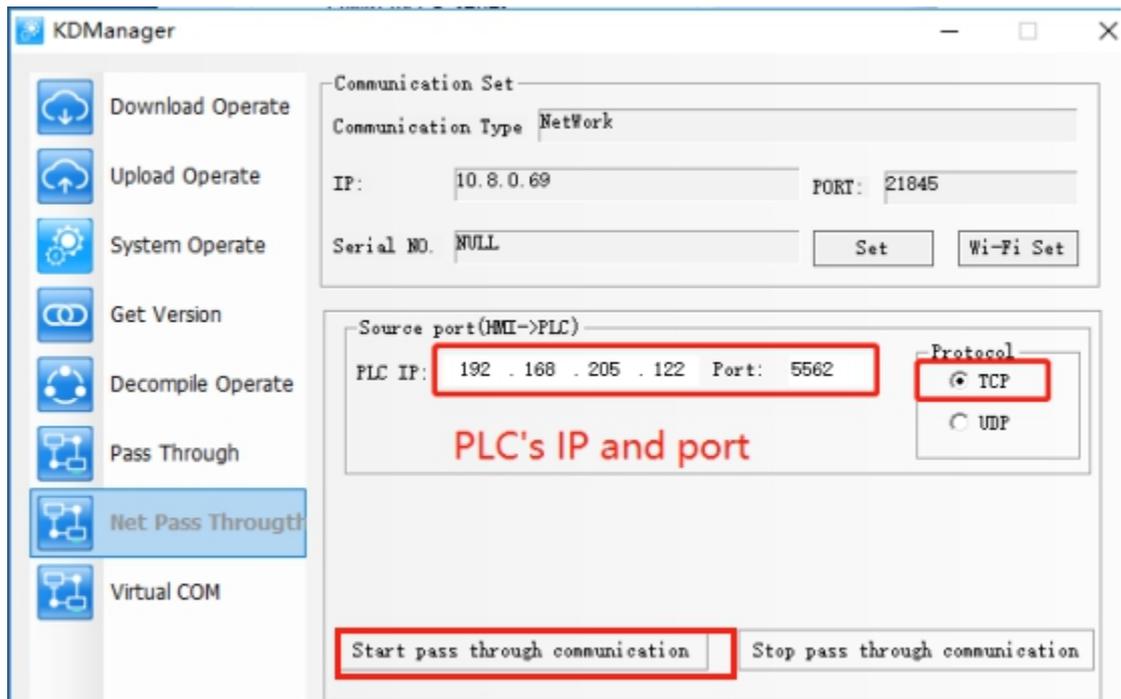
IP Address: Input HMI's VPN IP

Symbolic name (optional):

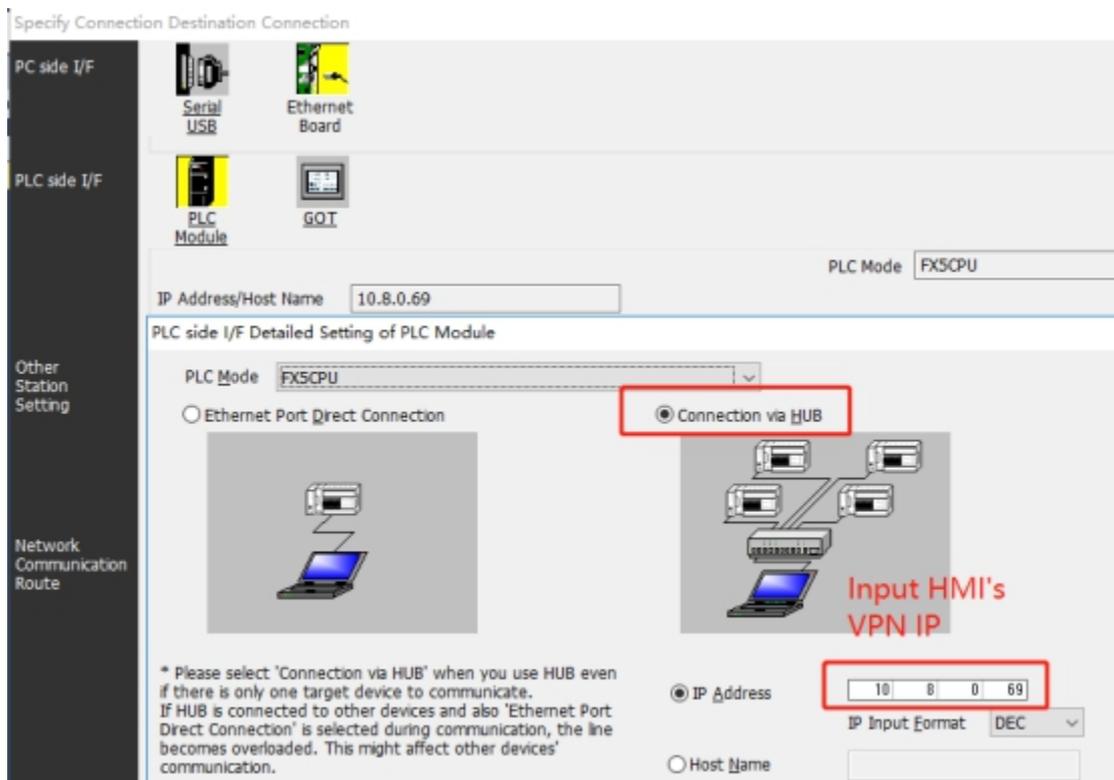
Find CPUs **Add CPU...**

1.2.7 Mitsubishi FX5U

KDmanager Settings:



PLC Software settings:



1.2.8 Mitsubishi QJ71E7 Ethernet

PLC Settings

First set the communication parameters of PLC as shown below, download it to PLC and restart it to take effect

网络参数 以太网/CC IE...

	模块1	模块2	模块3
网络类型	以太网	无	无
起始I/O号	0000		
网络号	network number	1	
总(从)站数			
组号	0		
站号	station number	2	
模式	在线		

运行设置

以太网 运行设置

通信数据代码设置
 二进制码通信
 ASCII码通信

初始时间设置
 不进行OPEN等待(STOP状态下不可通信)
 始终OPEN等待(STOP状态下可通信)

IP地址设置
 输入格式: 10进制数
 IP地址: 192 . 168 . 205 . 204

发送帧设置
 以太网(V2.0)
 IEEE802.3

TCP生存确认设置
 使用KeepAlive

允许RUN中写入

网络参数 以太网/CC IE/ME... 网络参数 以太网 打开设...

IP地址/端口号输入格

	协议	打开方式	固定缓冲	固定缓冲通信步骤	成对开放	生存确认	本站端口号	通1
1	TCP	MELSOFT连接						
2								
3								

KDmanager settings

KDManager

Download Operate
 Upload Operate
 System Operate
 Get Version
 Decompile Operate
 Pass Through
Net Pass Through
 Virtual COM Through

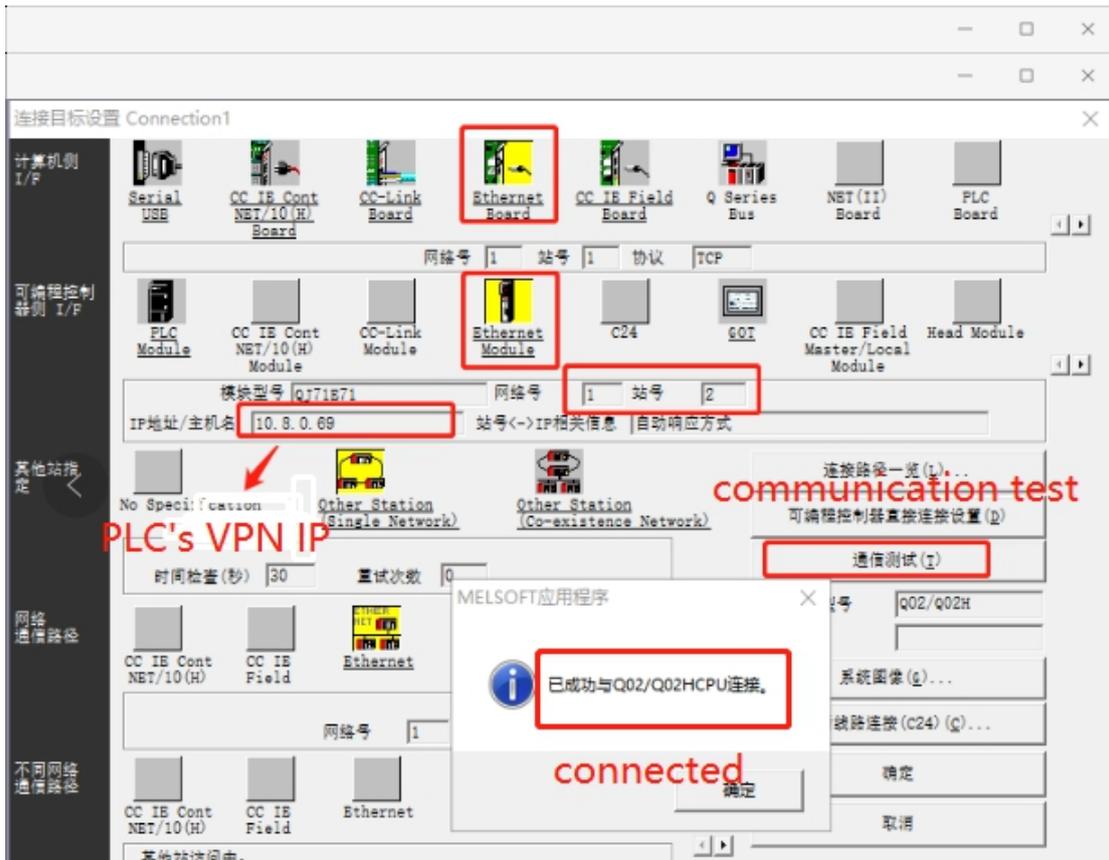
Communication Set
 Communication Type: NetWork
 IP: 10.8.0.69 PORT: 21845
 Serial NO: NULL Set Wi-Fi Set

Source port(MTU=PLC)
 PLC IP: 192 . 168 . 205 . 204 Port: 5002
 Protocol: TCP UDP

Keep the project working
 Start pass through communication Stop pass through communication

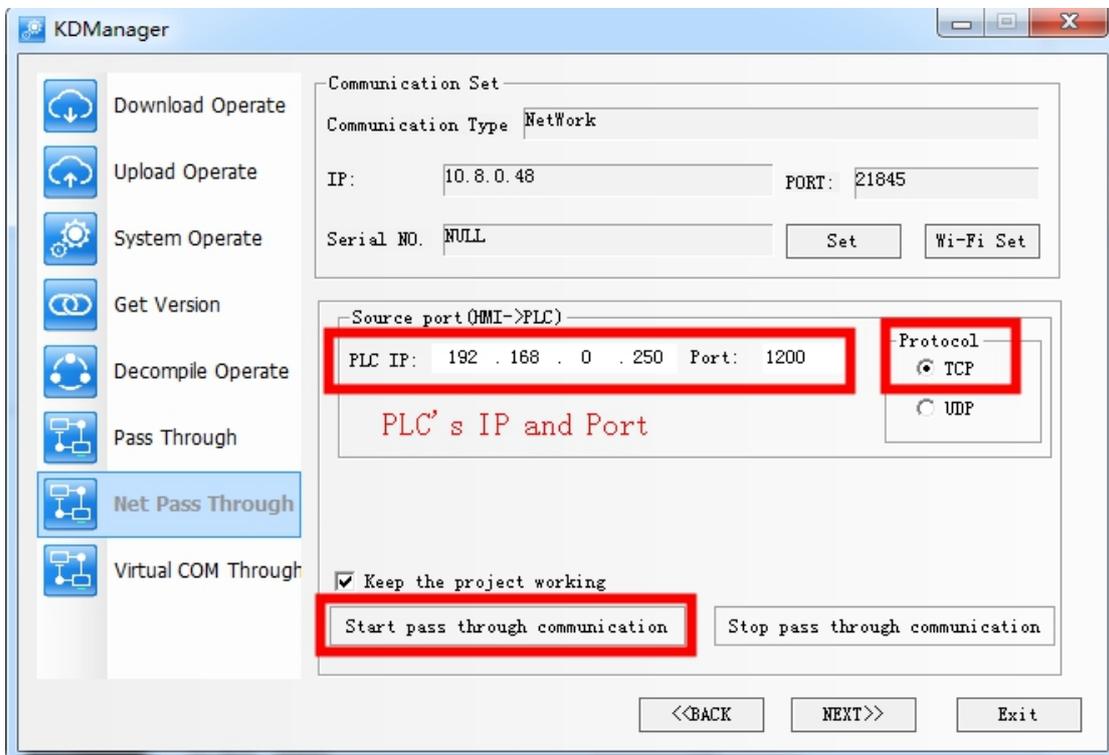
<<BACK NEXT>> Exit

Start pass through

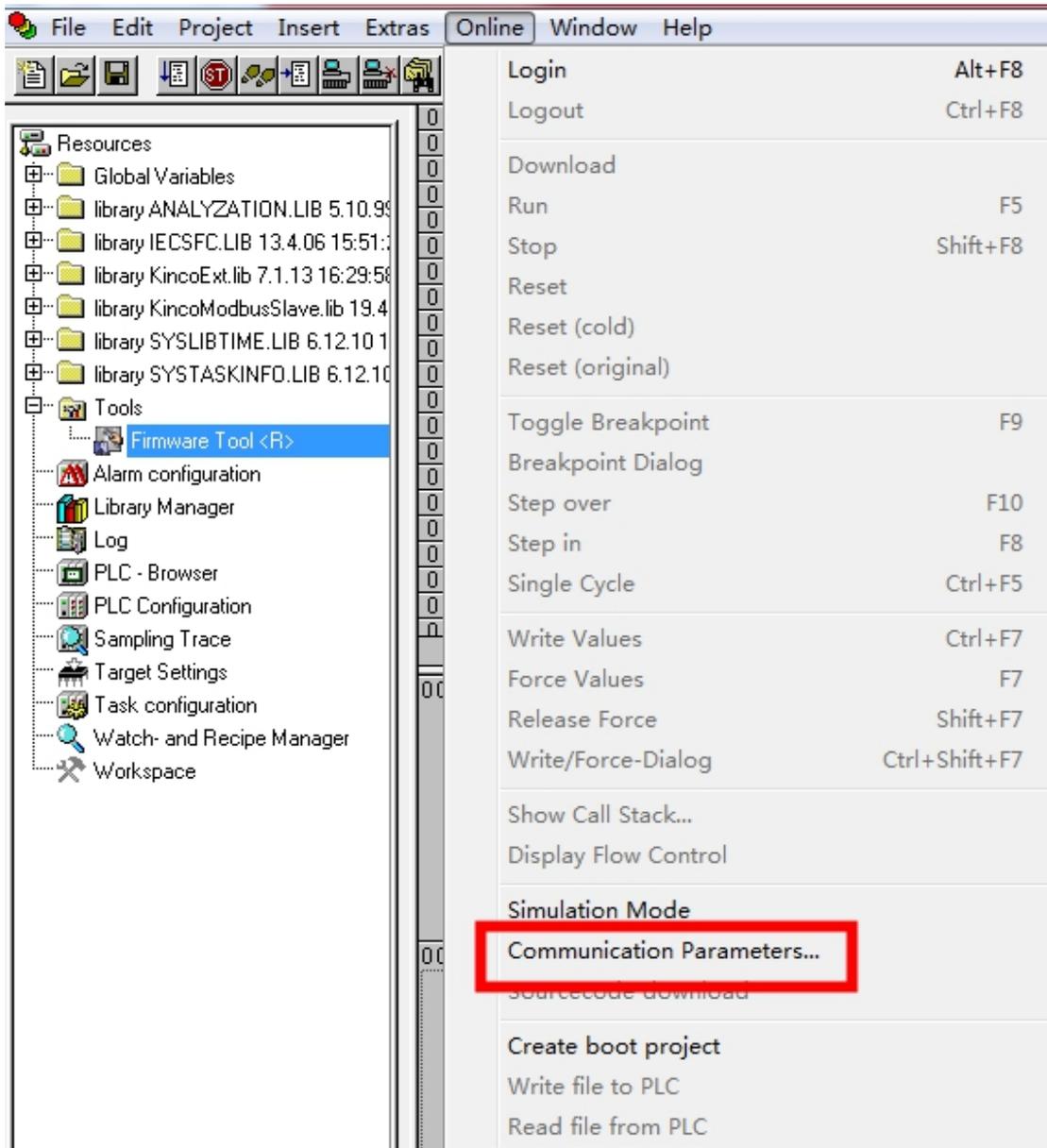


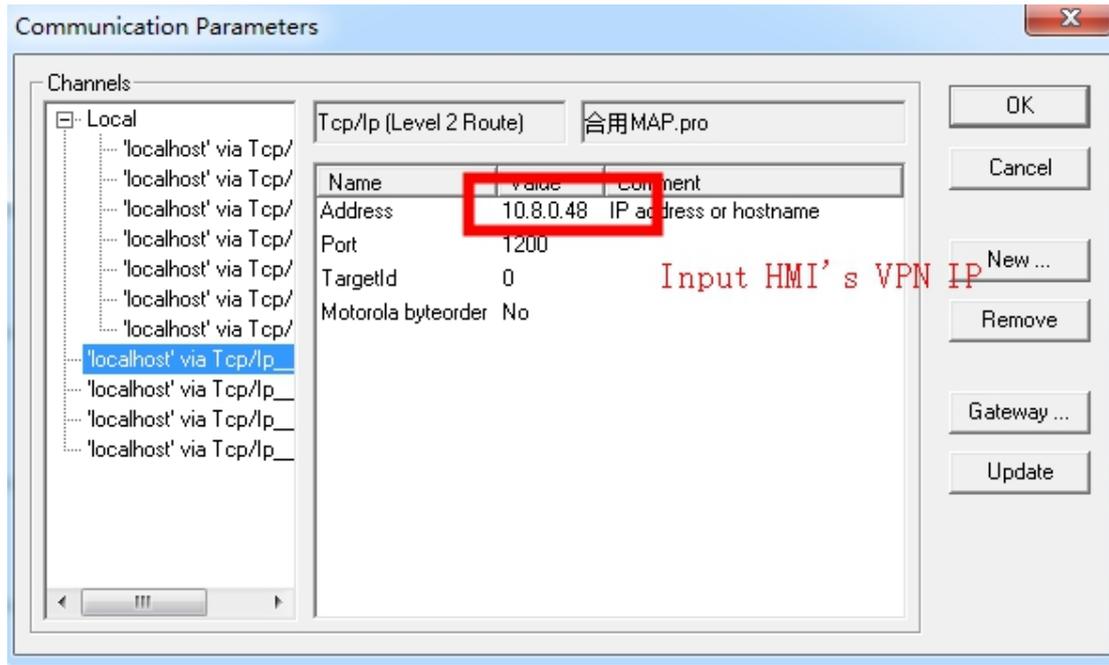
1.2.9 Kinco F1

KDmanager Settings:



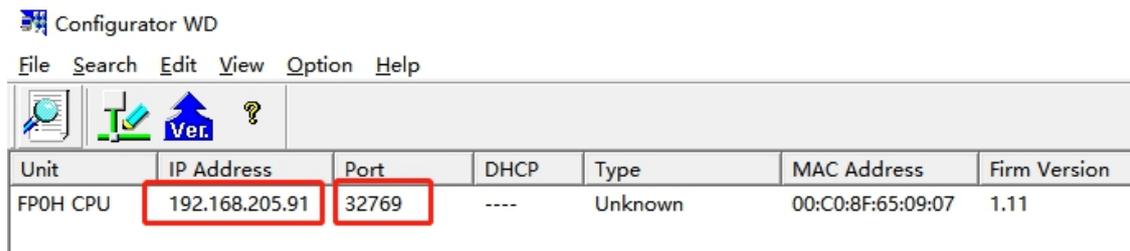
PLC Software settings:



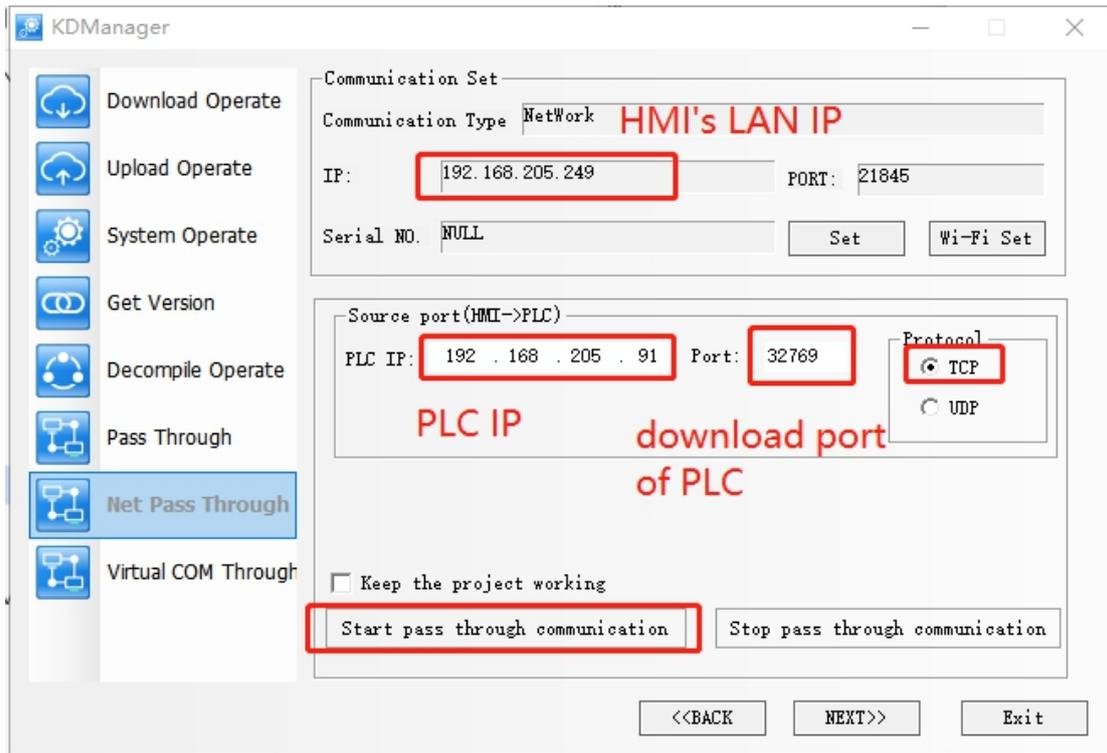


1.2.10 Panasonic FP

U need "Configurator WD" tool to search PLC's IP and port

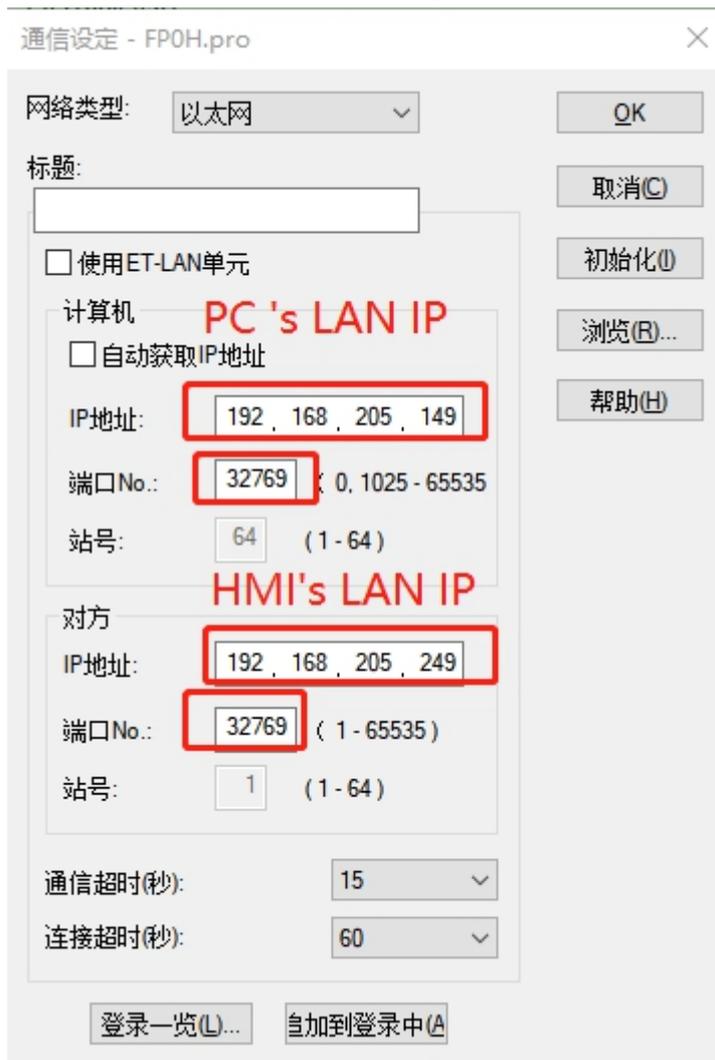


KDmanager Setting



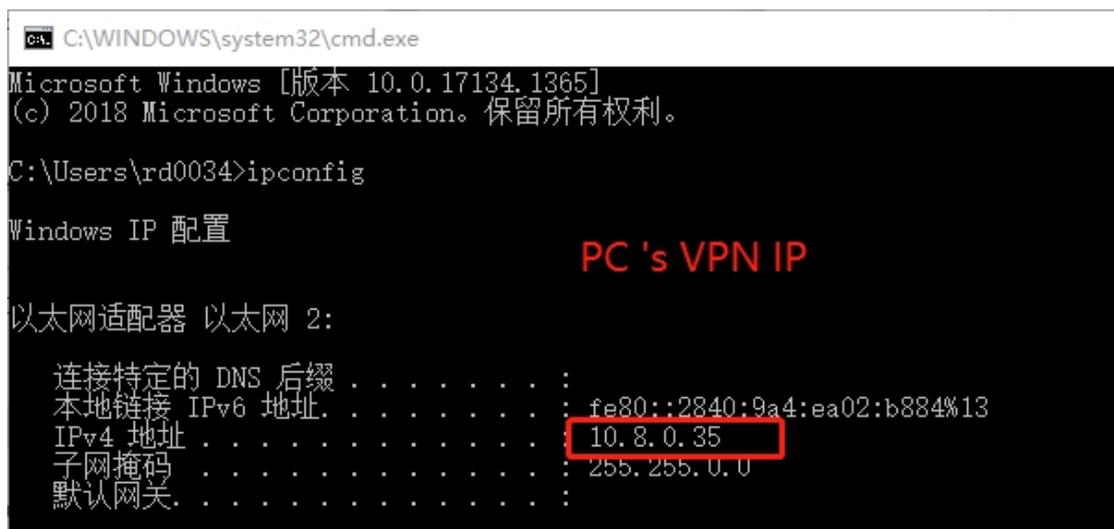
PLC Setting



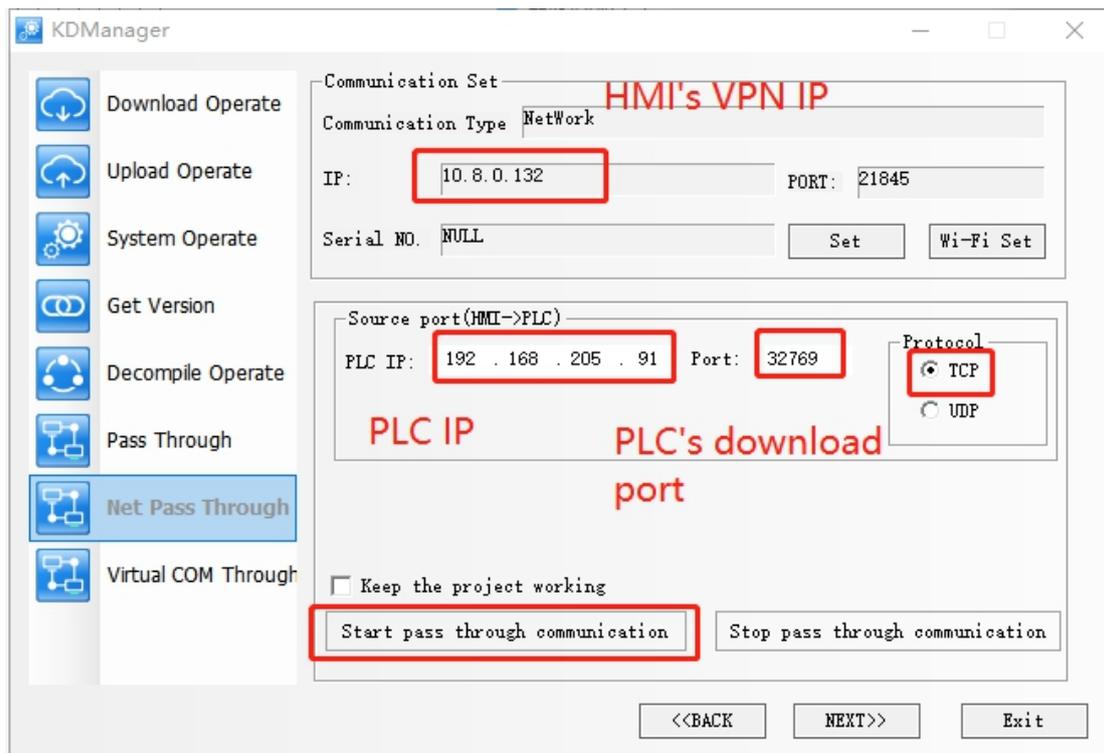


If using VPN IP to Pass through,setting as below:

IPconfig to get the VPN IP of PC



KDmanager setting



PLC Setting

通信设定 - FPOH.pro

网络类型: 以太网

标题:

使用ET-LAN单元

计算机 **PC 's VPN IP**

自动获取IP地址

IP地址: 10 . 8 . 0 . 35

端口No.: 32769 (0, 1025 - 65535)

站号: 64 (1 - 64)

对方 **HMI's VPN IP**

IP地址: 10 . 8 . 0 . 132

端口No.: 32769 (1 - 65535)

站号: 1 (1 - 64)

通信超时(秒): 15

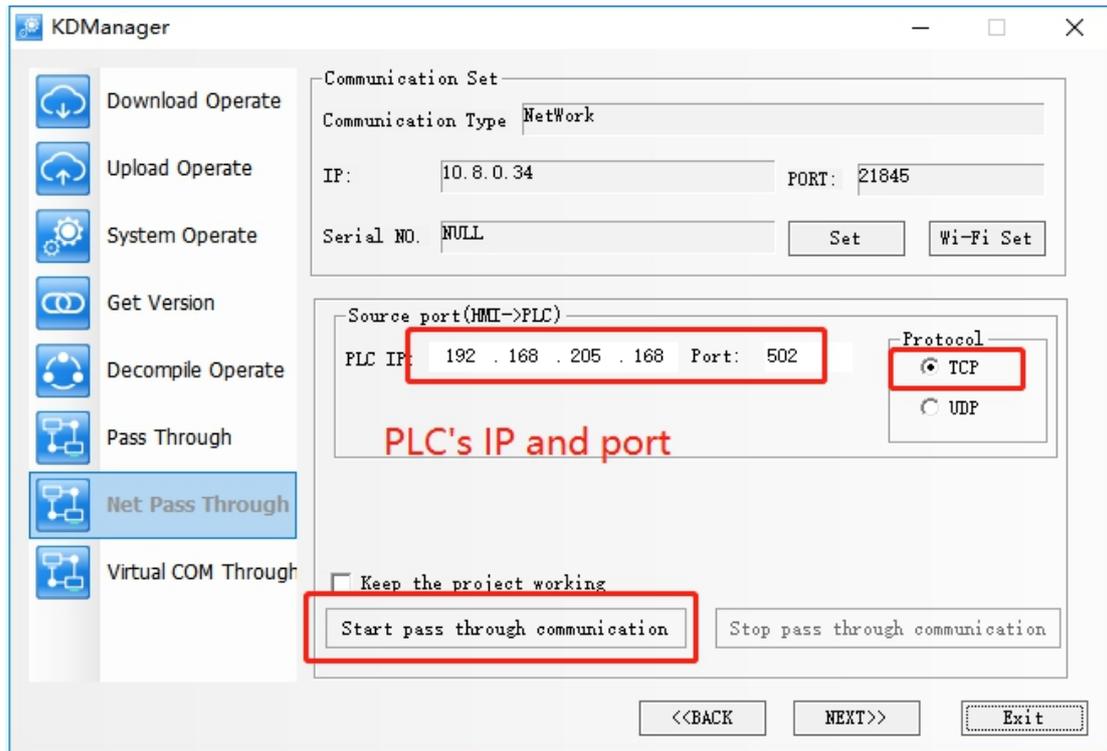
连接超时(秒): 60

登录一览(L)... 自加到登录中心

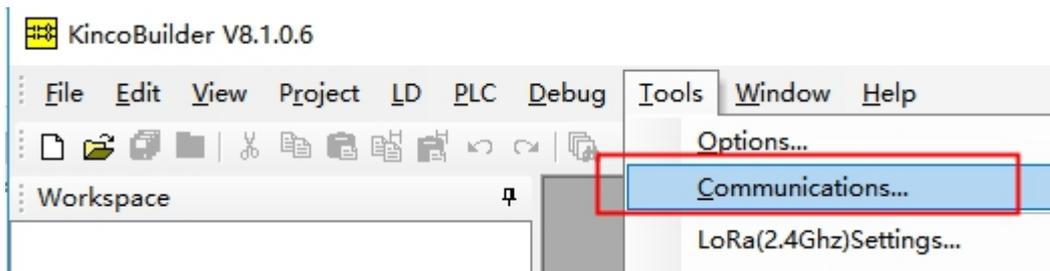
OK 取消(C) 初始化(I) 浏览(B)... 帮助(H)

1.2.11 Kinco PLC series

For example, a K204 PLC's IP is 192.168.205.168, Open Edgaccess, KDmanager settings as below



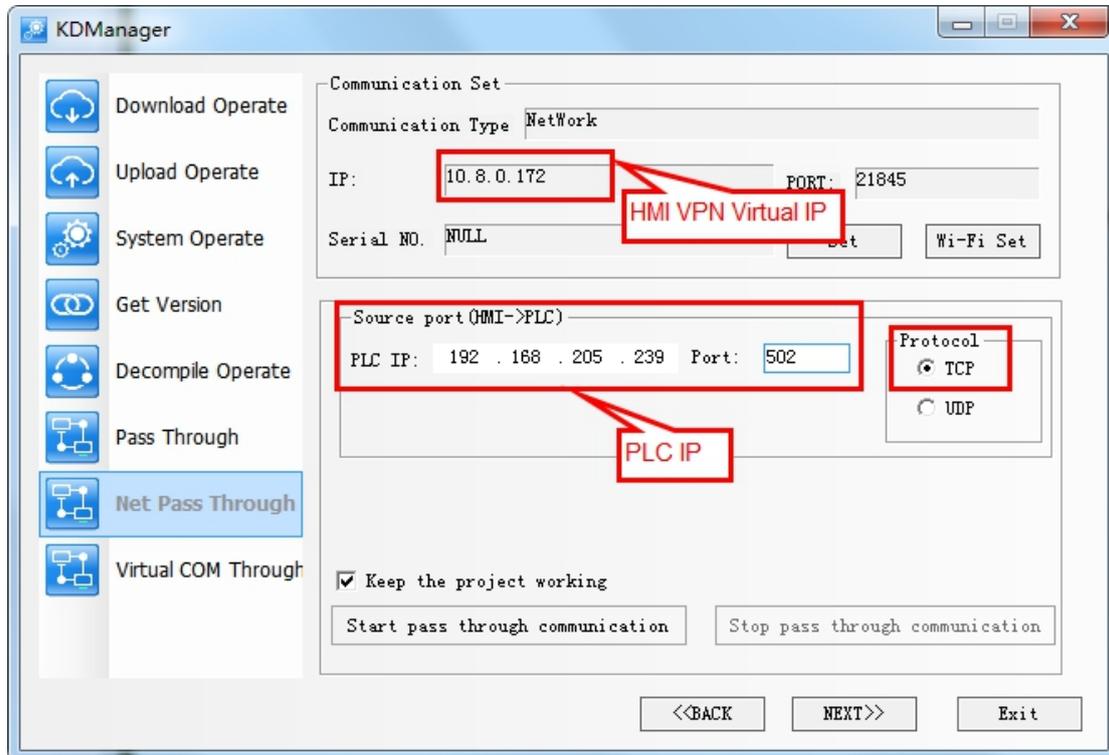
PLC software settings



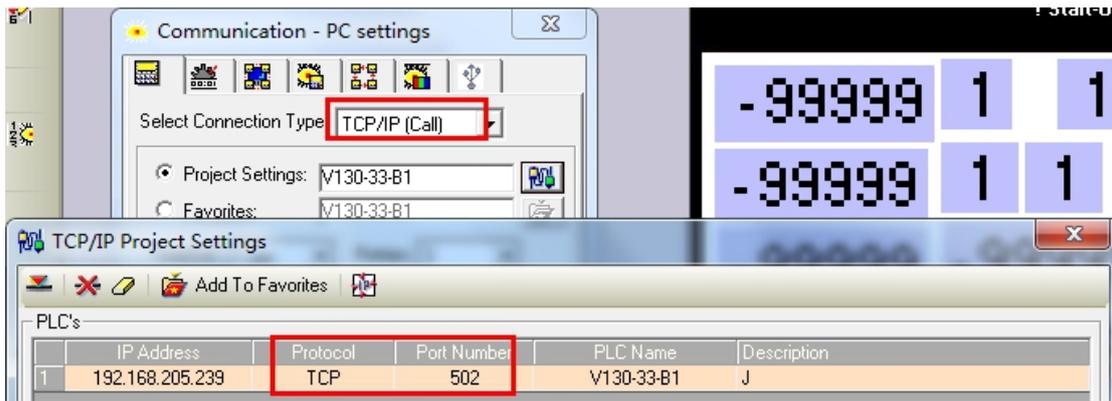


1.2.12 Unitronics

KDmanager settings



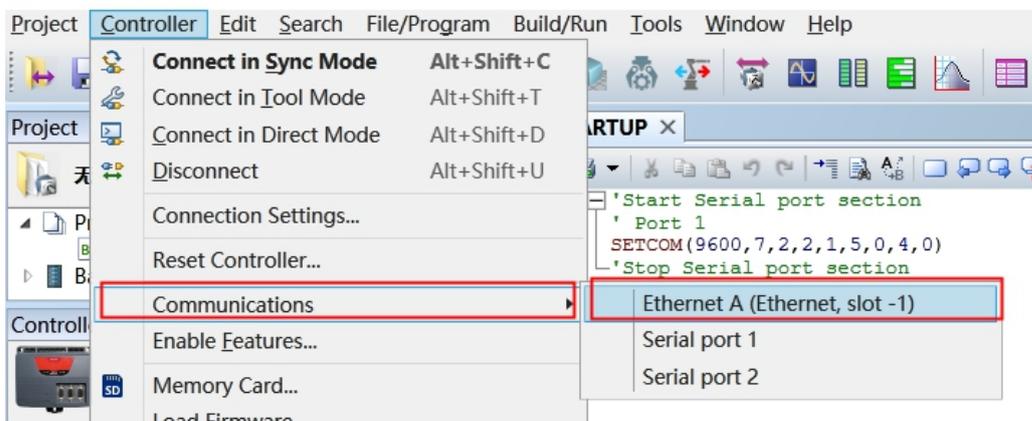
PLC settings

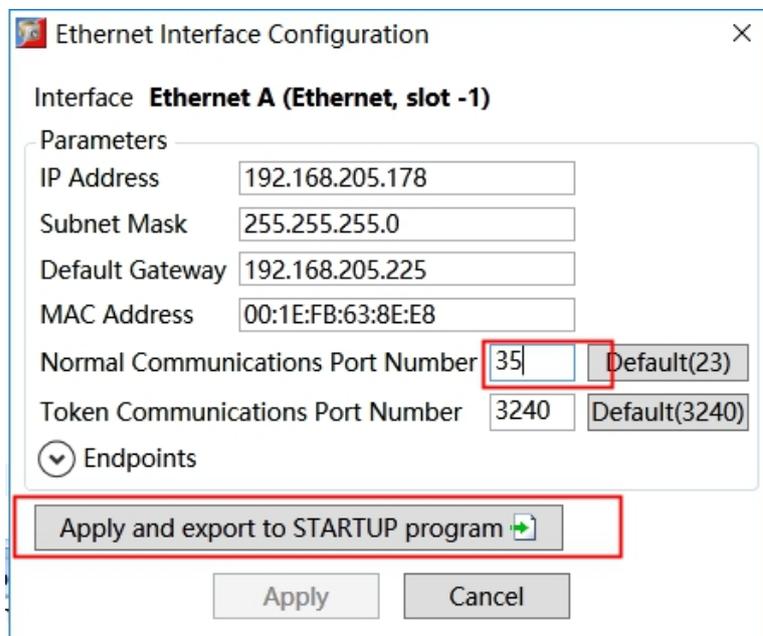
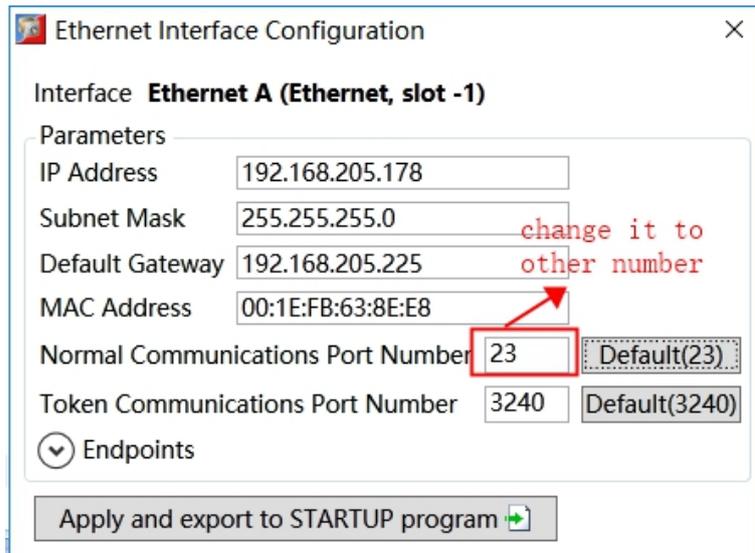


1.2.13 Trio Controller

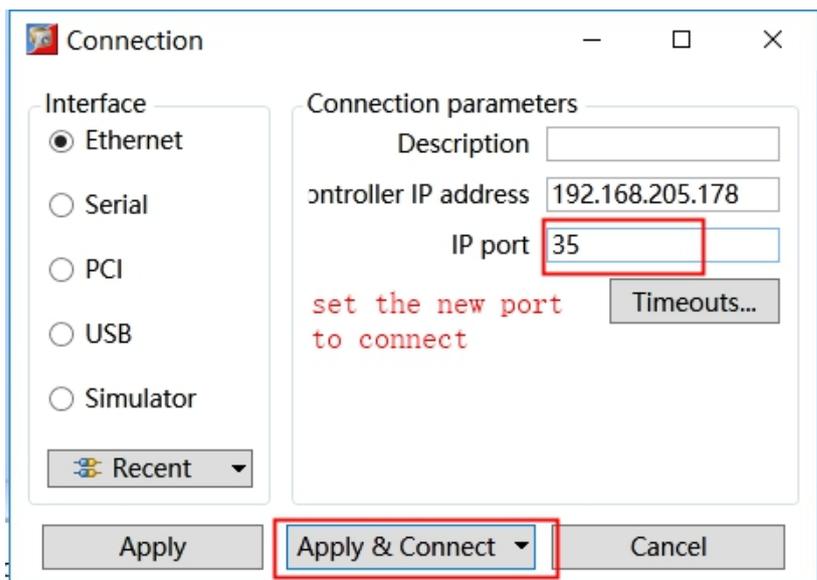
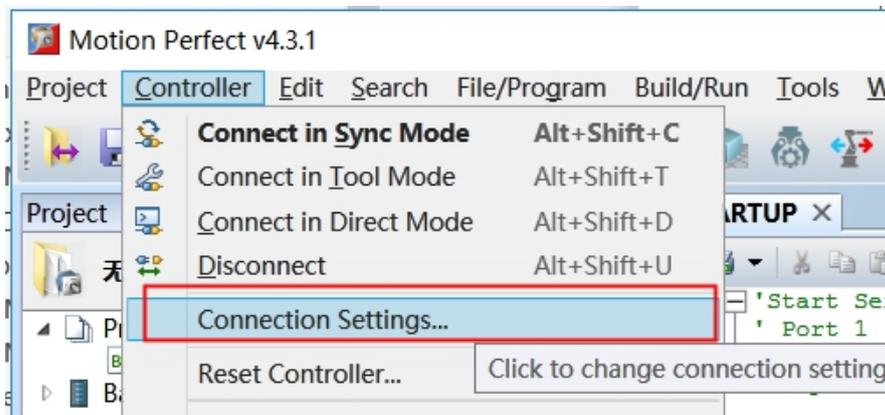
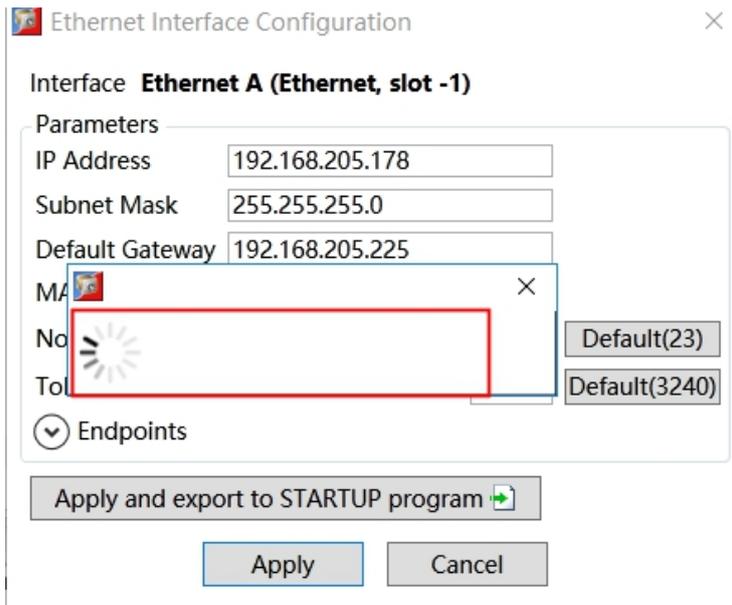
First, change the port number of cuio controller software network port online to non-23 port (because port 23 will conflict with other ports of the computer)

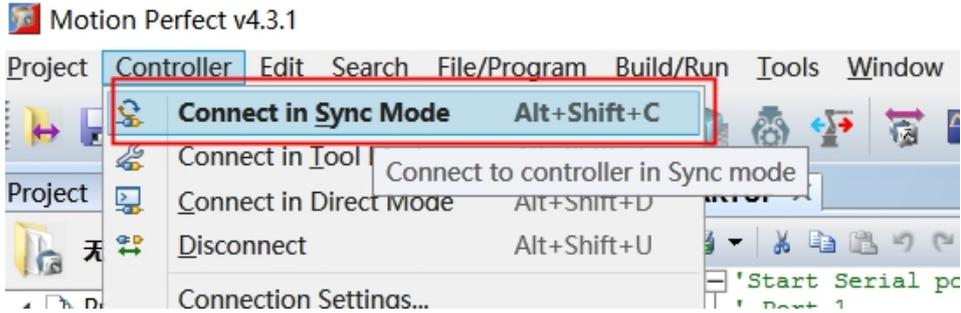
Motion Perfect v4.3.1





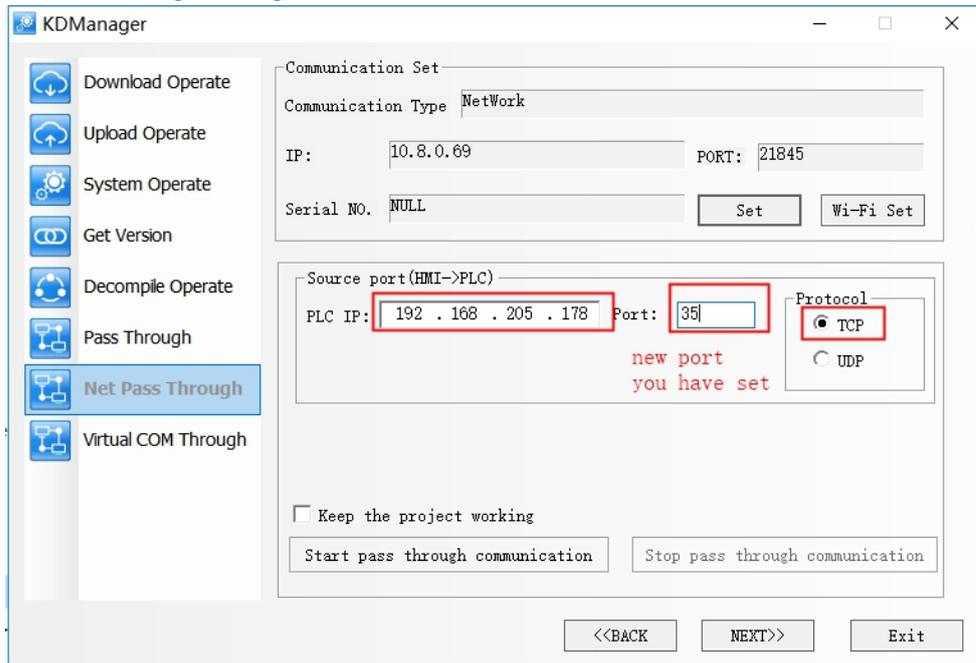
At this time, the software will always be stuck in the loading state, because the port number has been successfully modified to 35, and the default 23 port in the online setting is still available, so it can not be online. At this time, you need to change the port in the communication setting to 35 to go online again



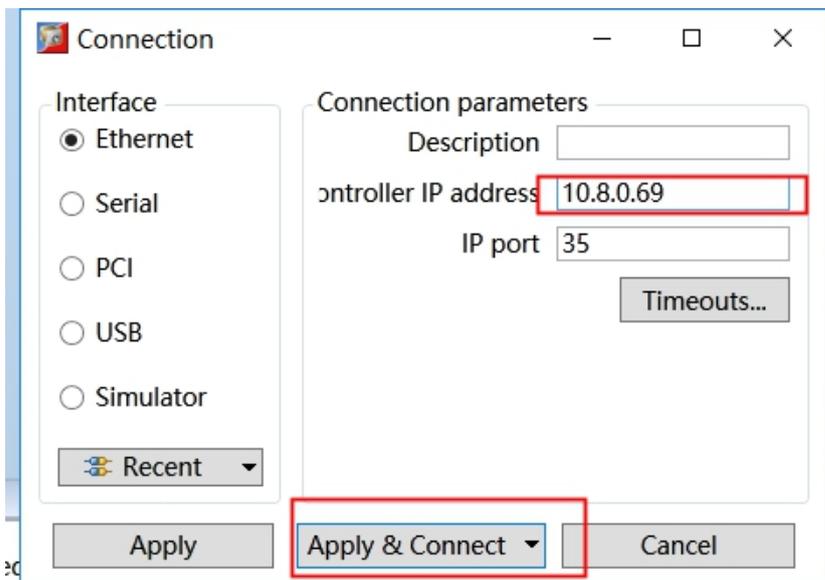


At this point, the connection is successful with the new port 35. And then we can start Net Pass through

Net Pass through settings:

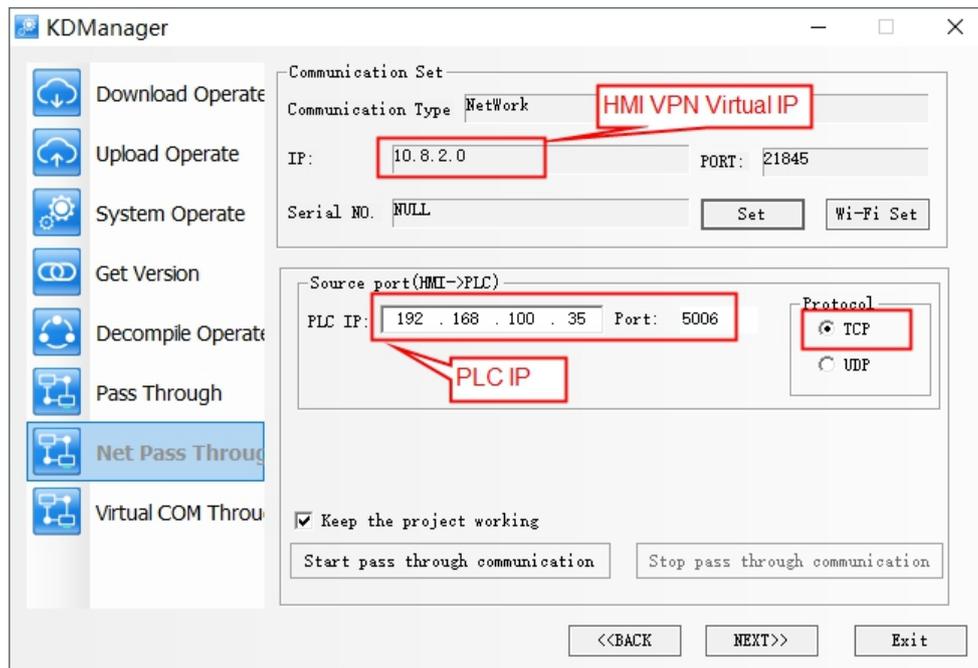


then change the IP of the connection settings to the VPN IP of the screen to upload and download the program .

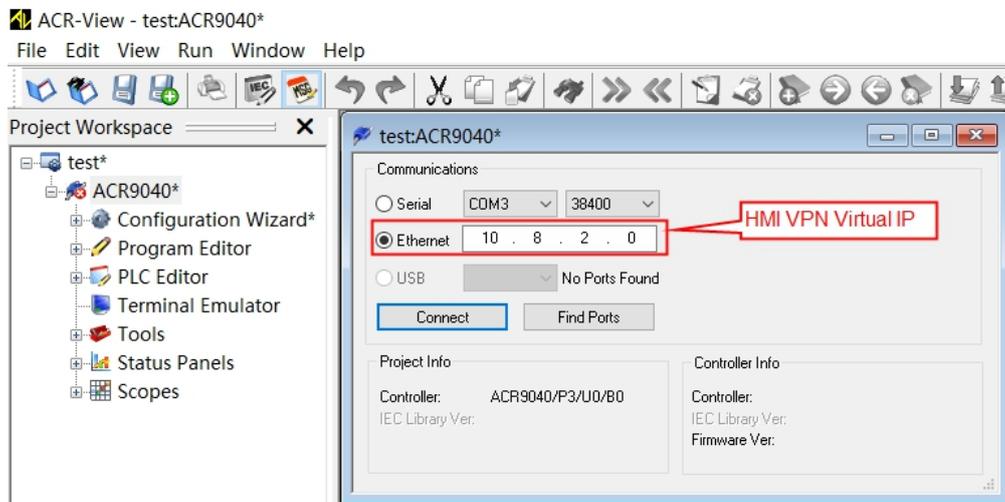


1.2.14 Parker ACR Series

KDmanager settings

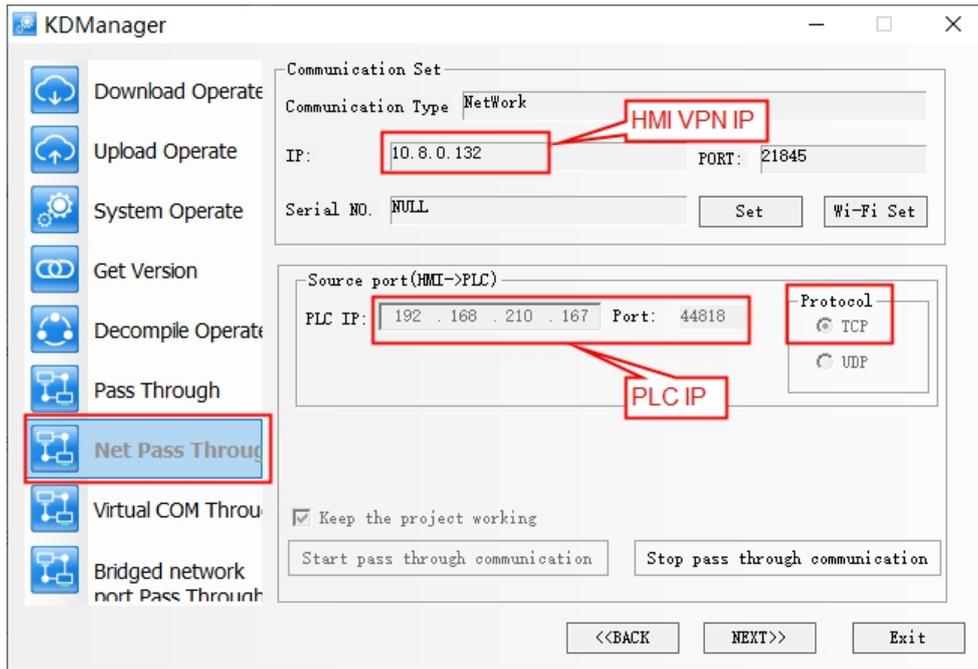


PLC settings



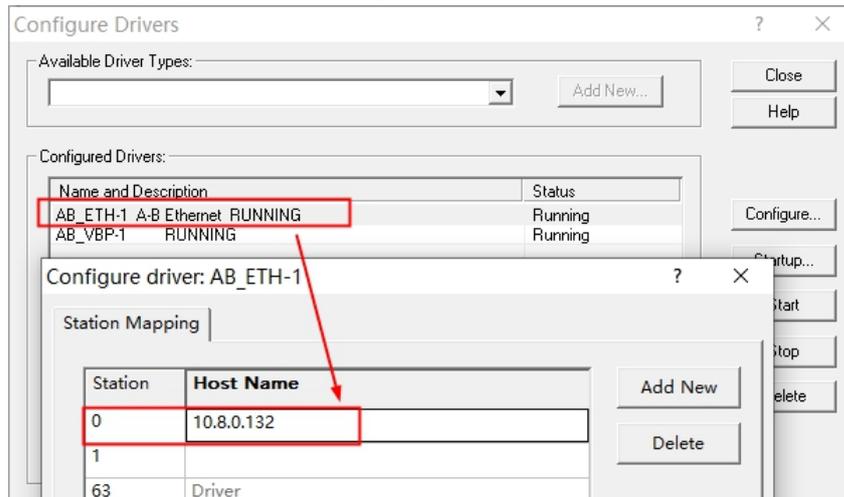
1.2.15 Rockwell MicroLogix1400

KDmanager settings

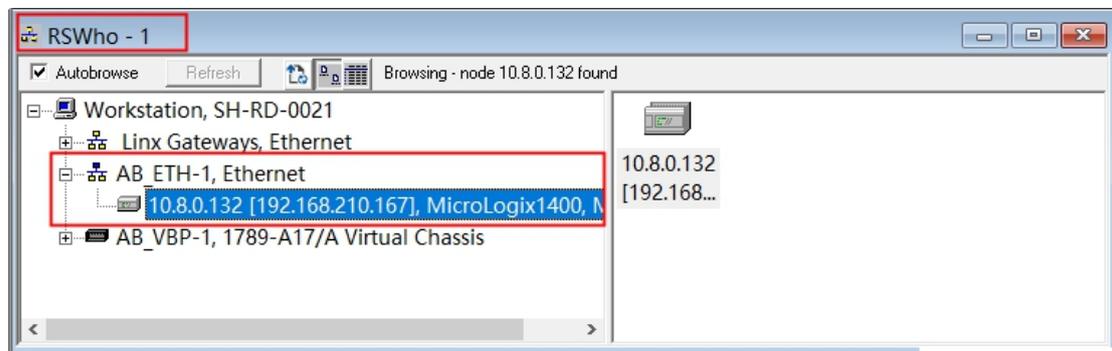


PLC setting

- 1) Click RSLinx classic and configure drivers

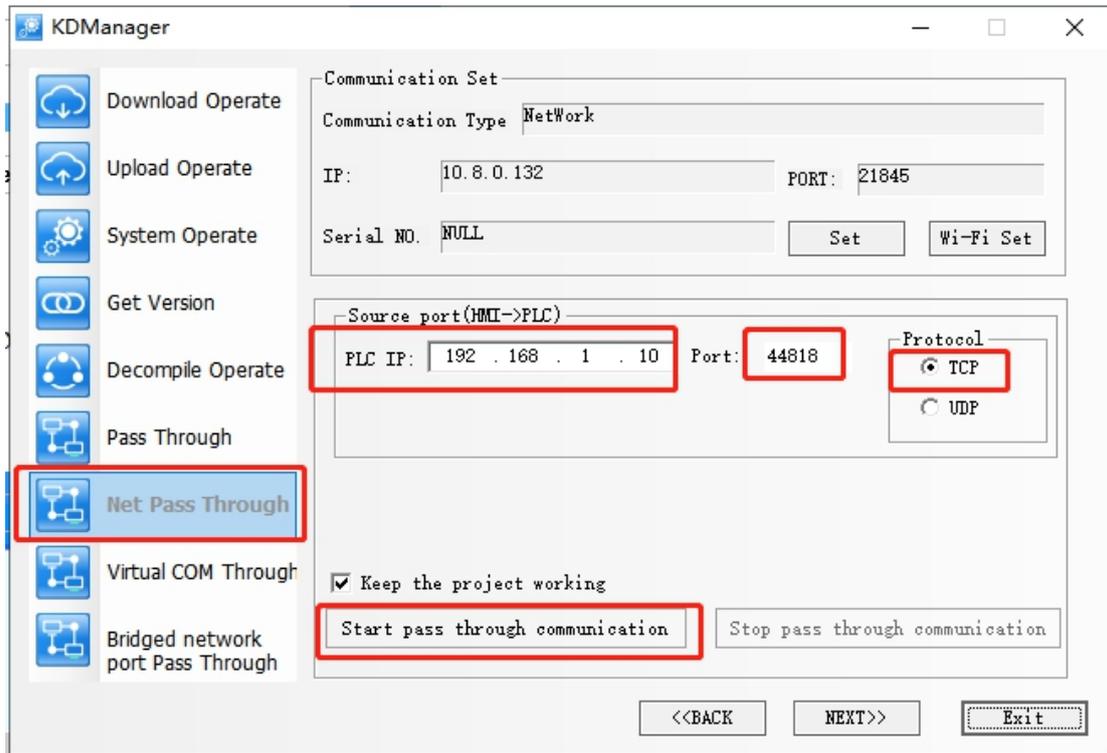


- 2) Click RSWho, and browse



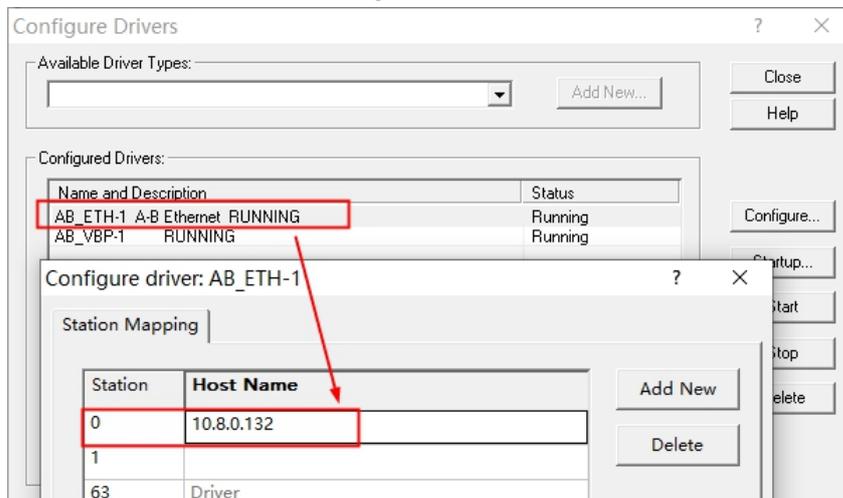
1.2.16 Rockwell compactlogix 1769

KDmanager settings

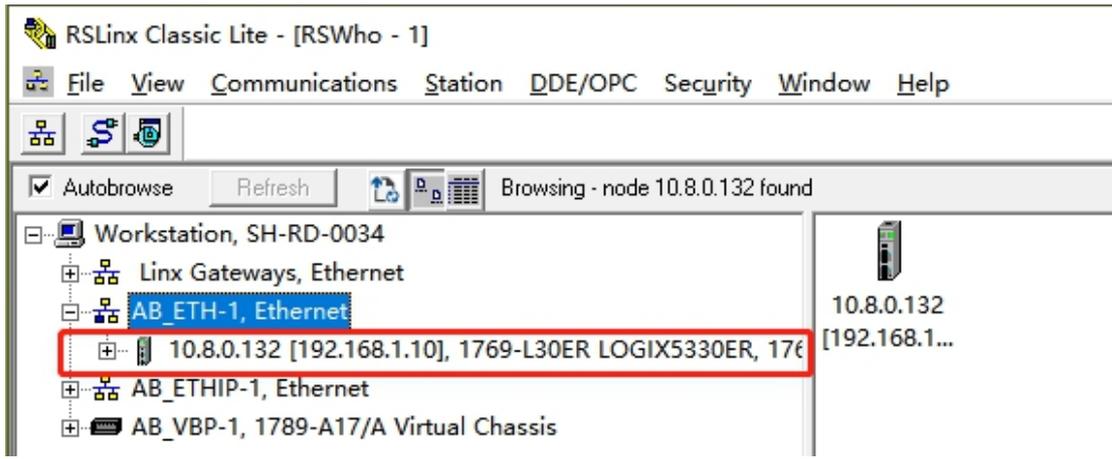


PLC setting

- 1) Click RSLinx classic and configure drivers



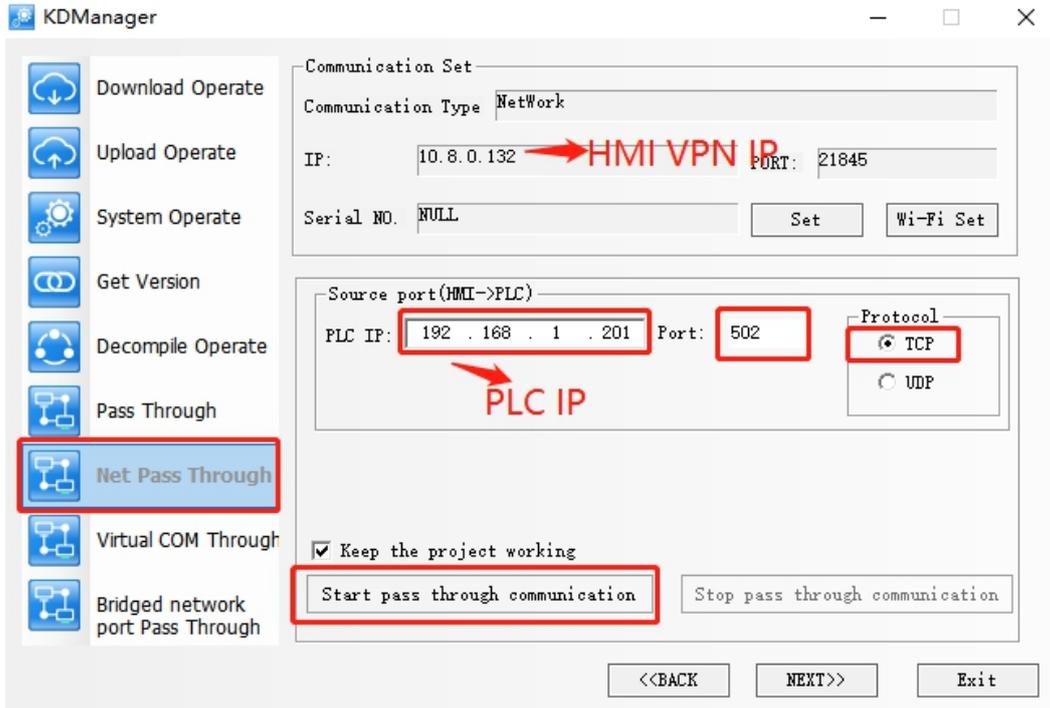
- 2) Click RSWho, and browse



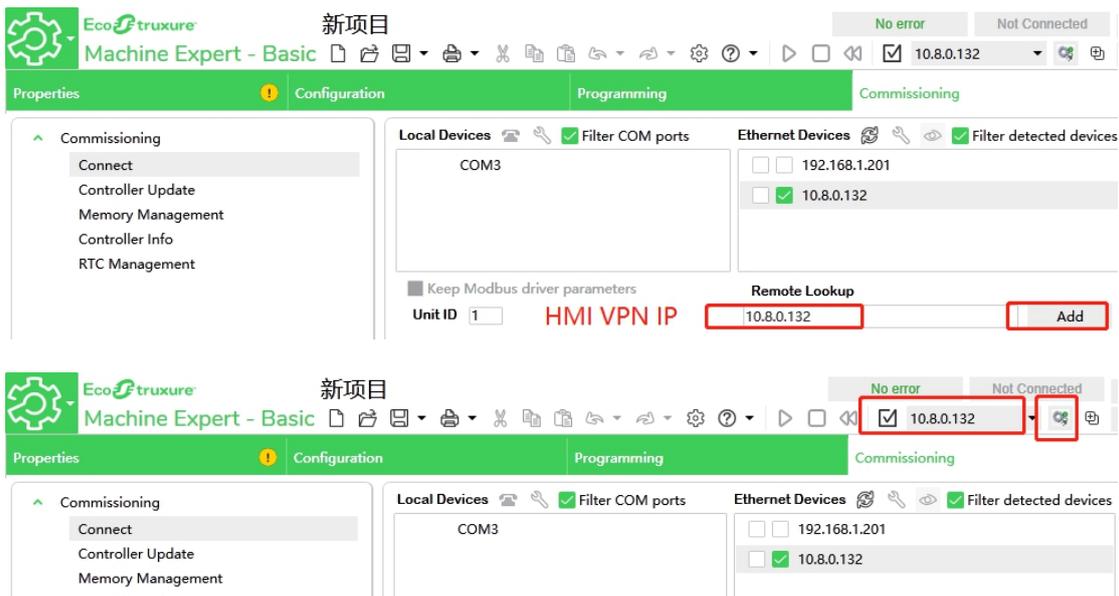
Using network pass through to download project for Rockwell 1769 is more slower than Bridged network pass through. [Click here to go to Bridged network pass through](#)

1.2.17 Schneider M200

KDmanager settings



PLC settings



1.3 List of PLC supported VPN pass-through models

1.3.1 Appendix 1: Ethernet pass through model table

PLC	Models	Port\Protocol	Pass through	Description
OMRON	OMRON CP Series	9600\UDP	Supported	
	OMRON CJ Series	44818\TCP	Supported	
Delta	Delta DVP	502\TCP	Supported	
IDECD	IDECD FC Series	2101\TCP	Supported	
Kinco	Kinco Series	502\TCP	Supported	

Siemens	Smart 200 Series	102\TCP	Supported	
	1200\1500\ET200\300 Series	102\TCP	Supported	
	Smart 700IE (HMI)	5002\TCP	Supported	
Mitsubishi	QJ71E71	5002\TCP	Supported	
	FX5U CPU Ethernet	5562\TCP	Supported	
	FX3U-ENET-L	5551\TCP	Supported	
Trio	Trio MC Series	Port\TCP	Supported	The PLC software can be changed to any port number, of which port 23 cannot be used to pass through
Keyence	Keyence KV series	8500\TCP	Supported	
LS	XMC Series	2002\TCP	Supported	
Panasonic	Panasonic FP	Search port by tool\TCP	Supported	
Unitronics	Unitronics	502\TCP	Supported	
Parker	ACR 9000 series	5006\TCP	Supported	
Rockwell	MicroLogix1400,AB1769	44818\TCP	Supported	
Schneider	M200	502\TCP		

2. Virtual COM through

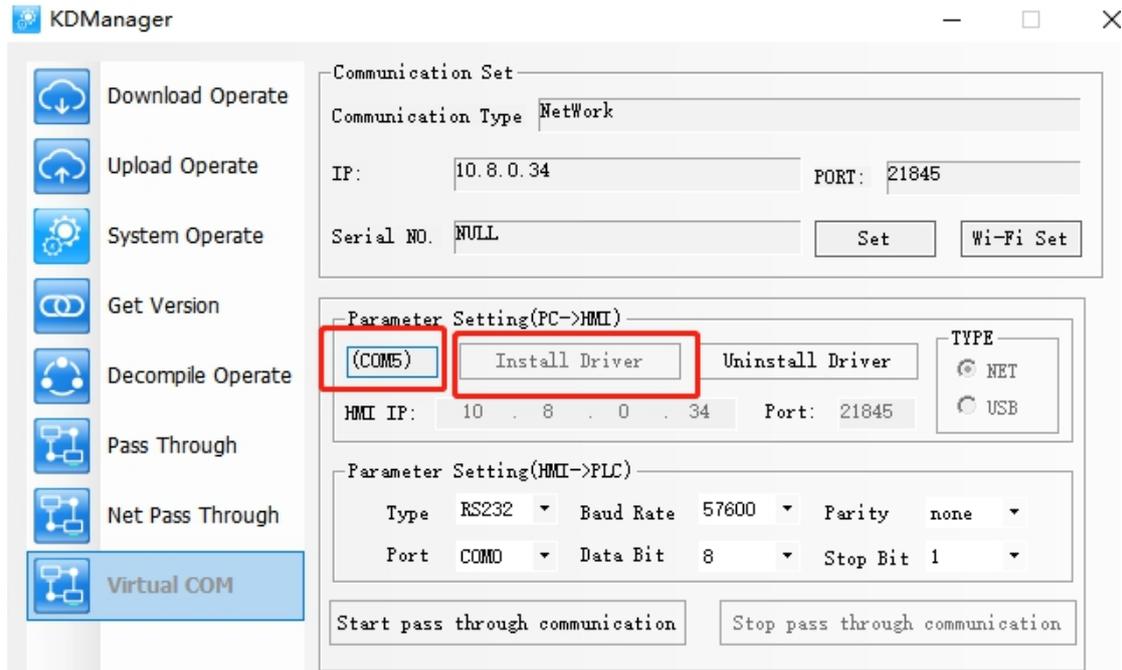
2.1 VPN external network connection of HMI and PC

The same settings as “1.1.1”-“1.1.2” of 1.1 above

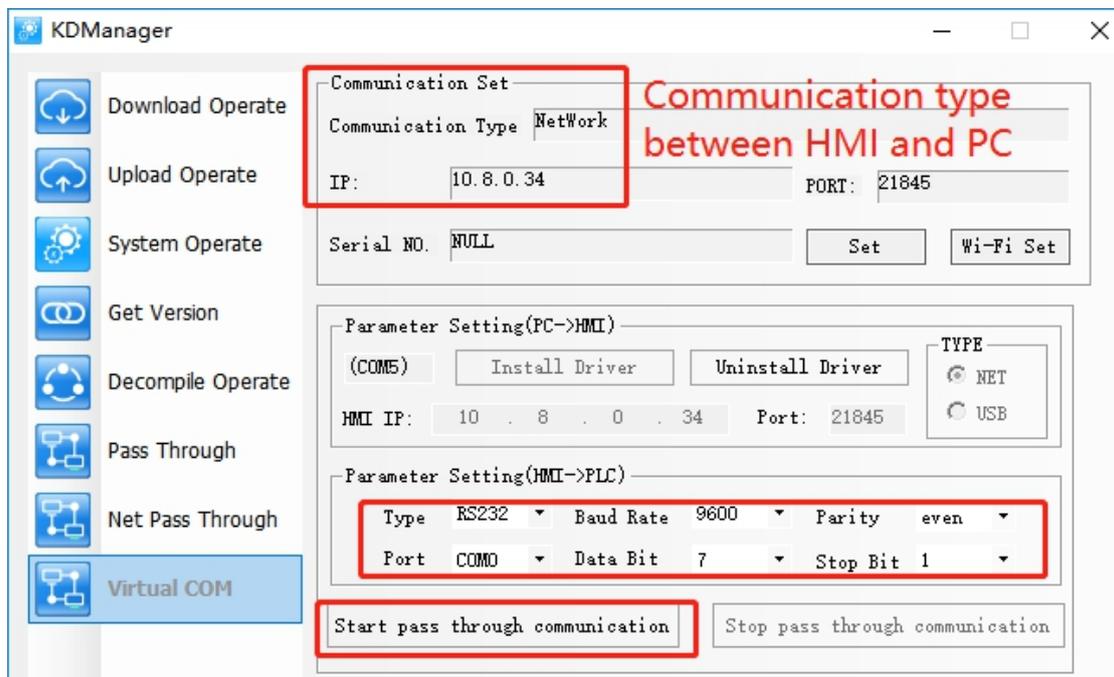
2.2 PLC pass-through connection setting

2.2.1HMI pass-through settings

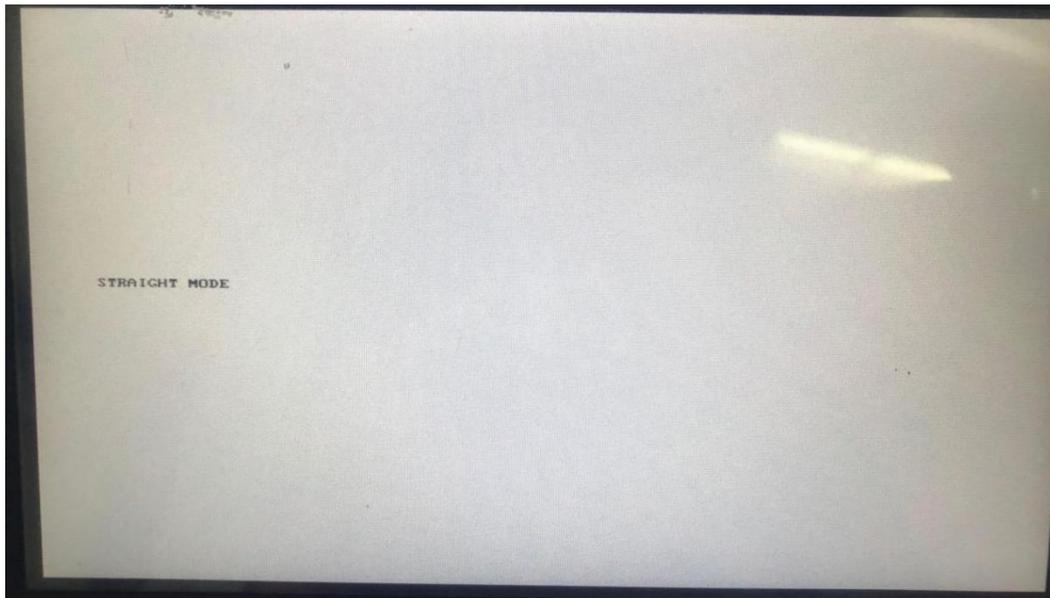
①Click”Install Driver”, U can get virtual COM5



② Set the direct communication parameters of the HMI and PLC (You must know the programming port parameters of the PLC in advance), and for example the port is connected to the screen COM0 port.



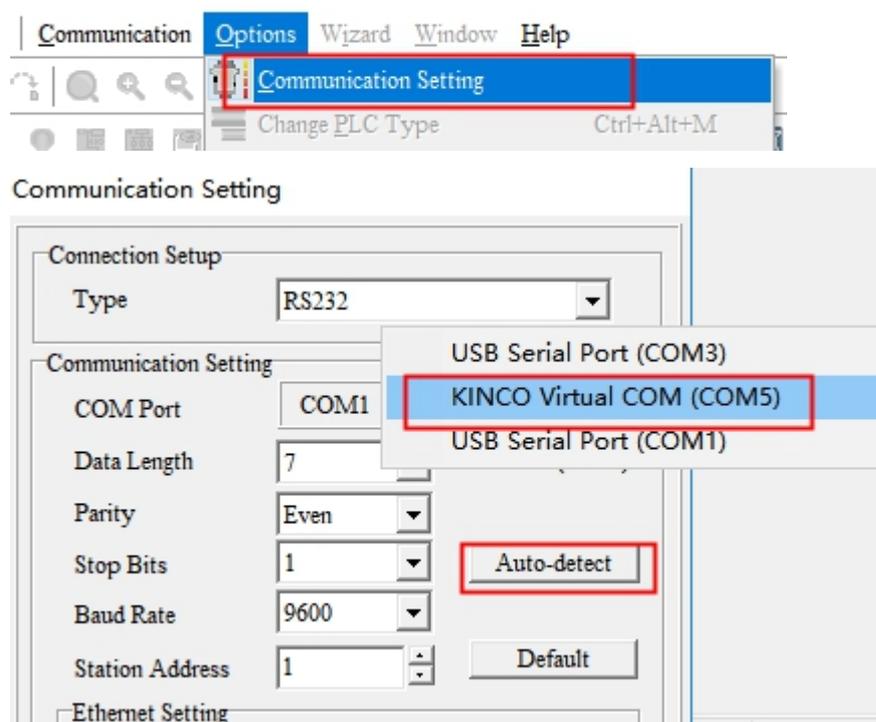
Click start pass through communication, the screen will enter a white screen state, as shown in the figure

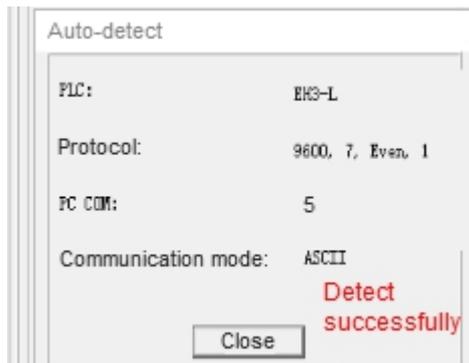


2.2.2 PLC Software settings

PLC programming software set virtual serial port to upload and download programs (Take Delta DVP PLC as an example)

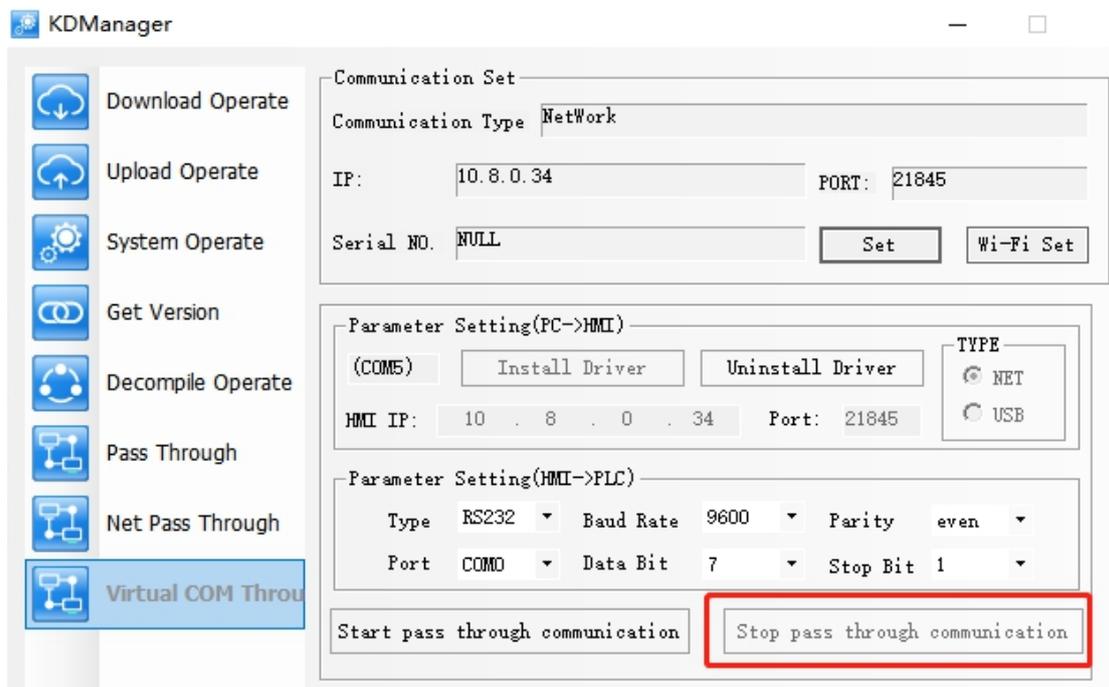
Open Delta WPLSoft programming software , Option-Communication setting, COM port chose Virtual COM5





2.2.3 Exist pass through

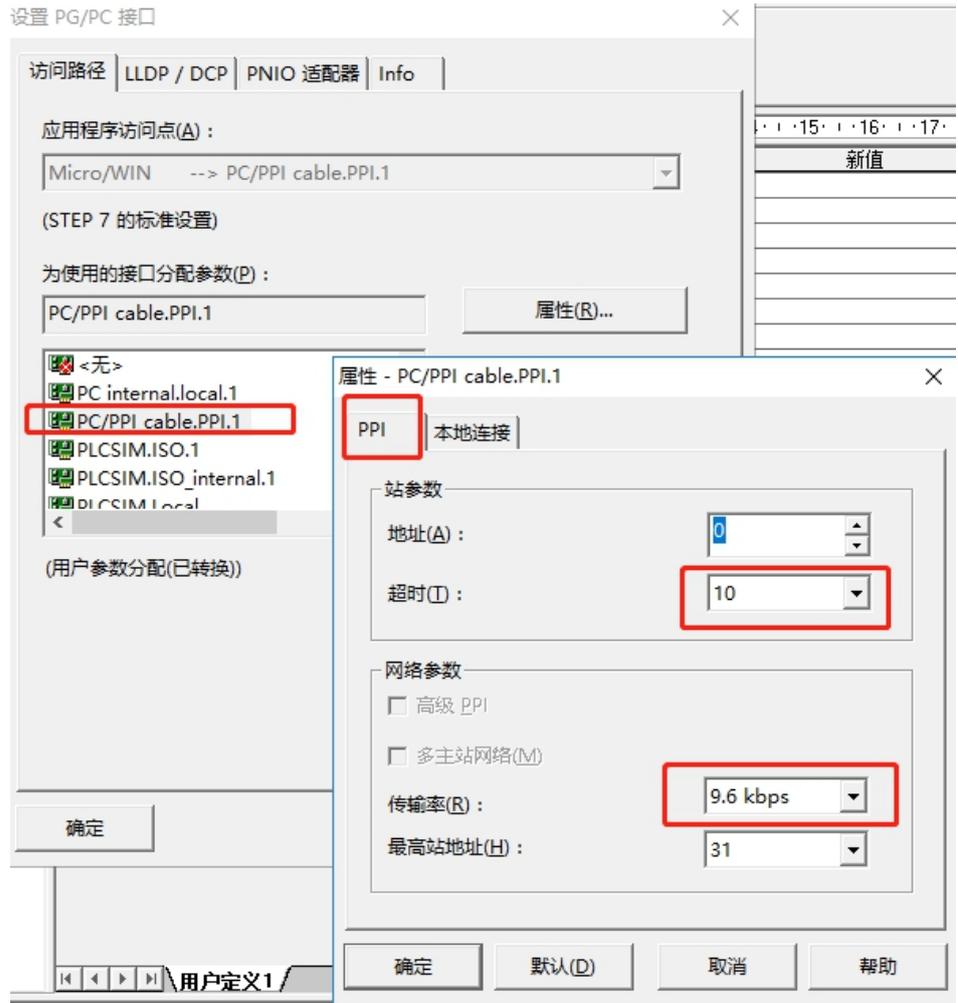
After downloading the PLC project, chose “stop pass through” to exit and the screen will resume working status.

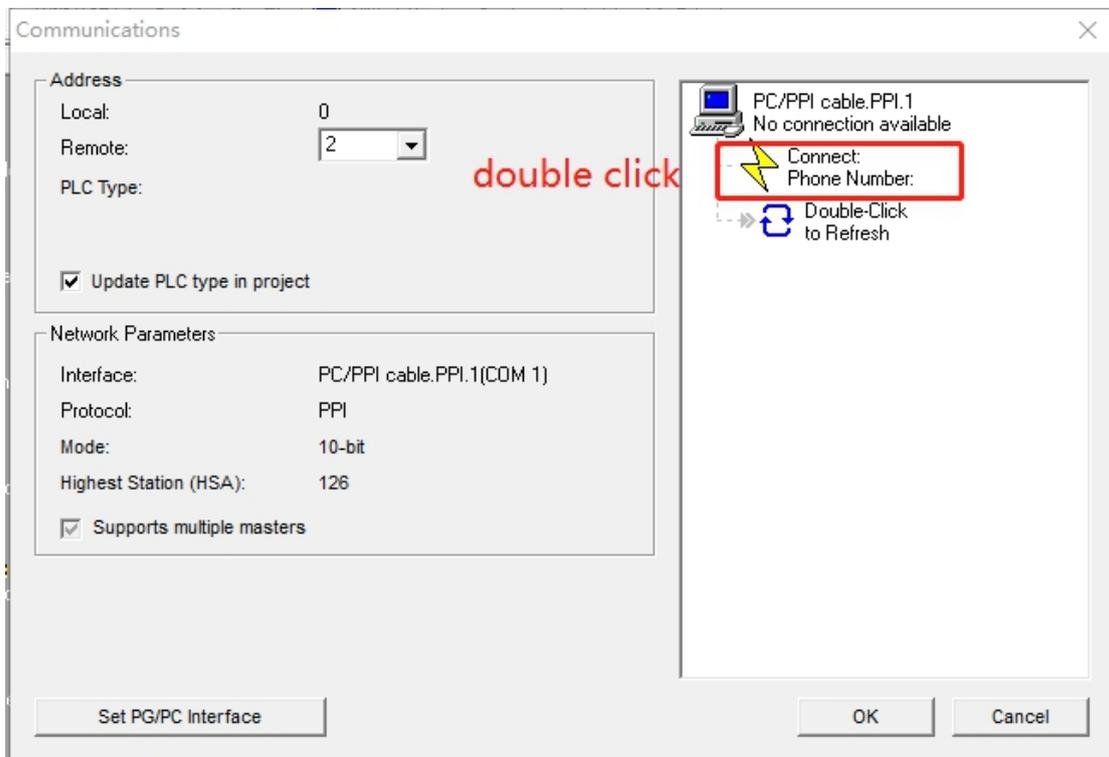


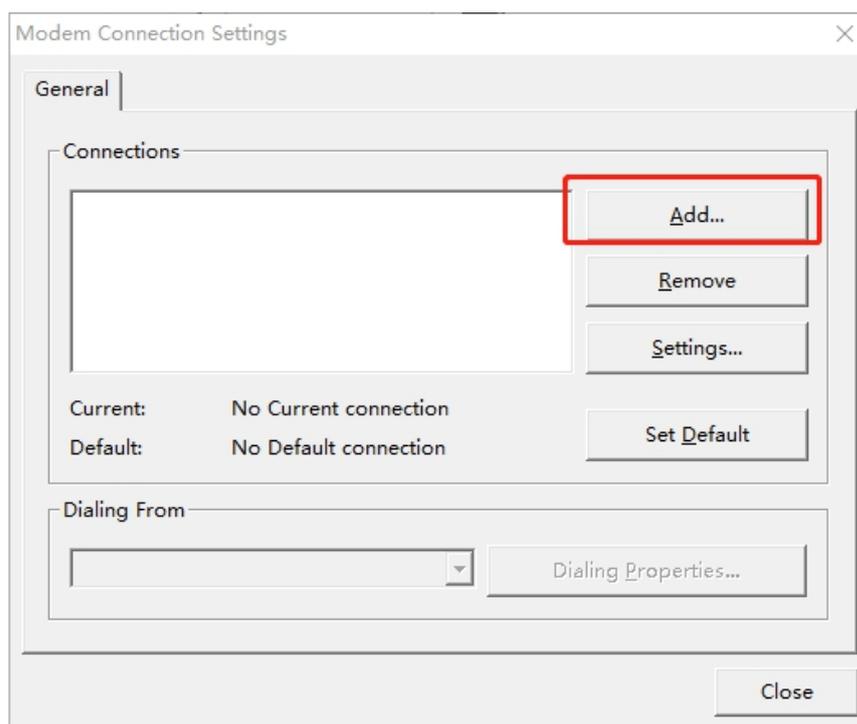
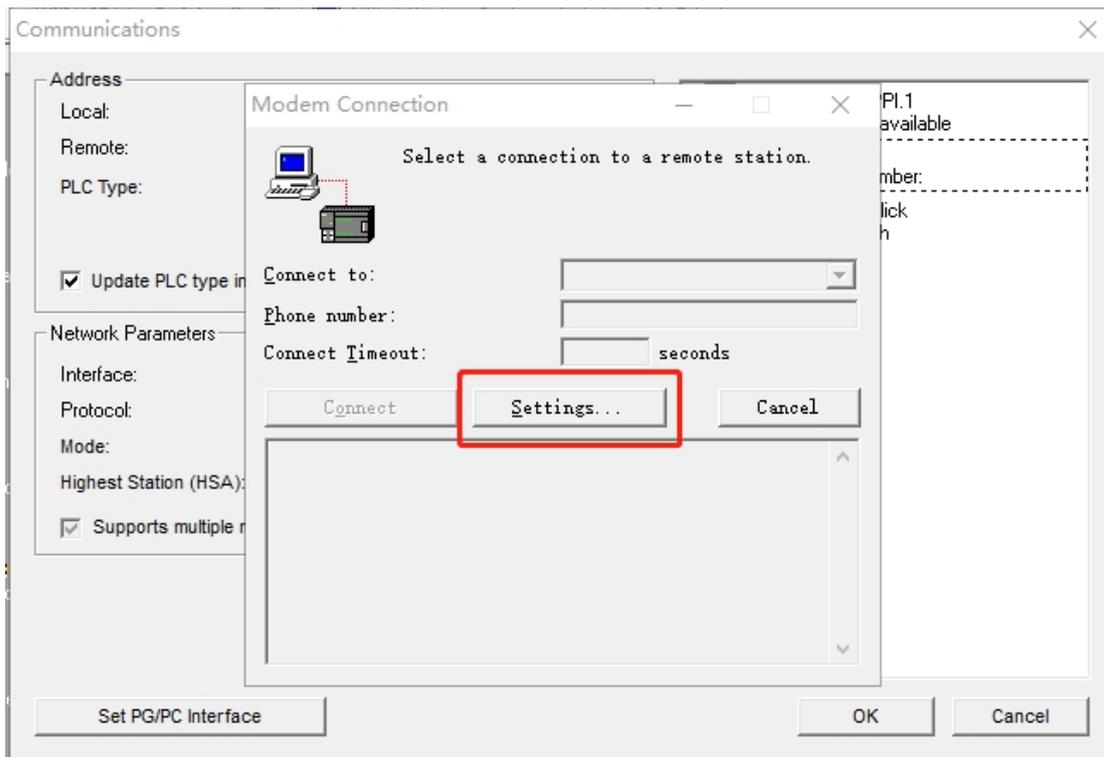
2.3 Examples of PLC pass through settings

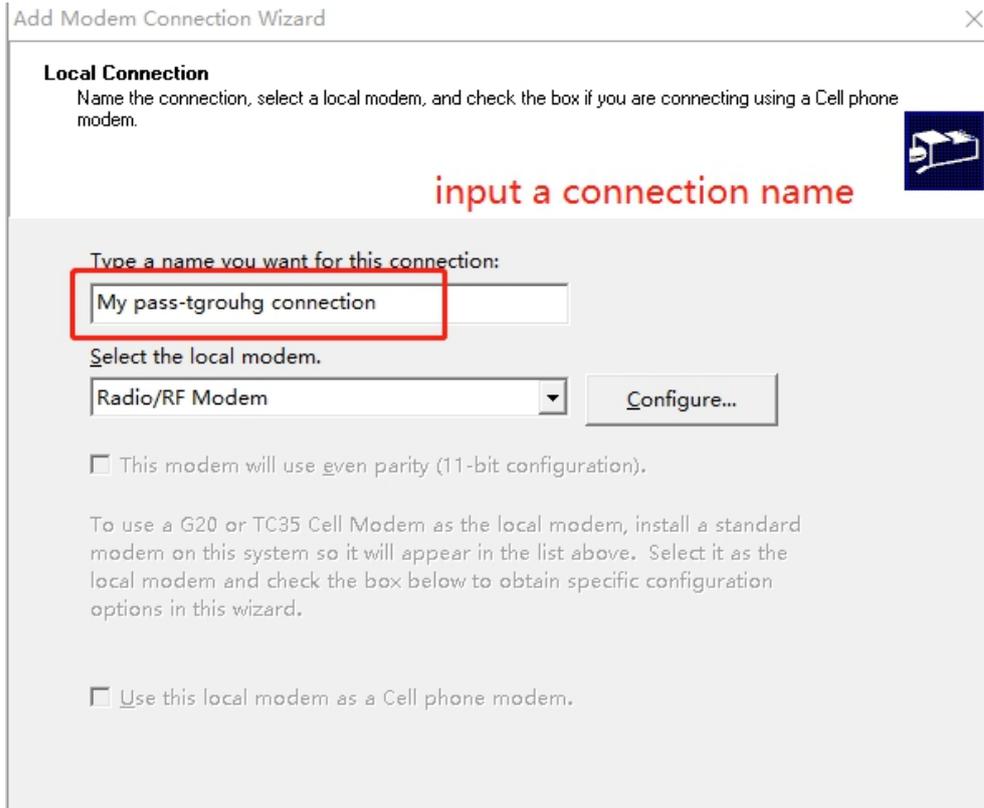
2.3.1 Siemens 200

Open SETO7 software, setting as follows:

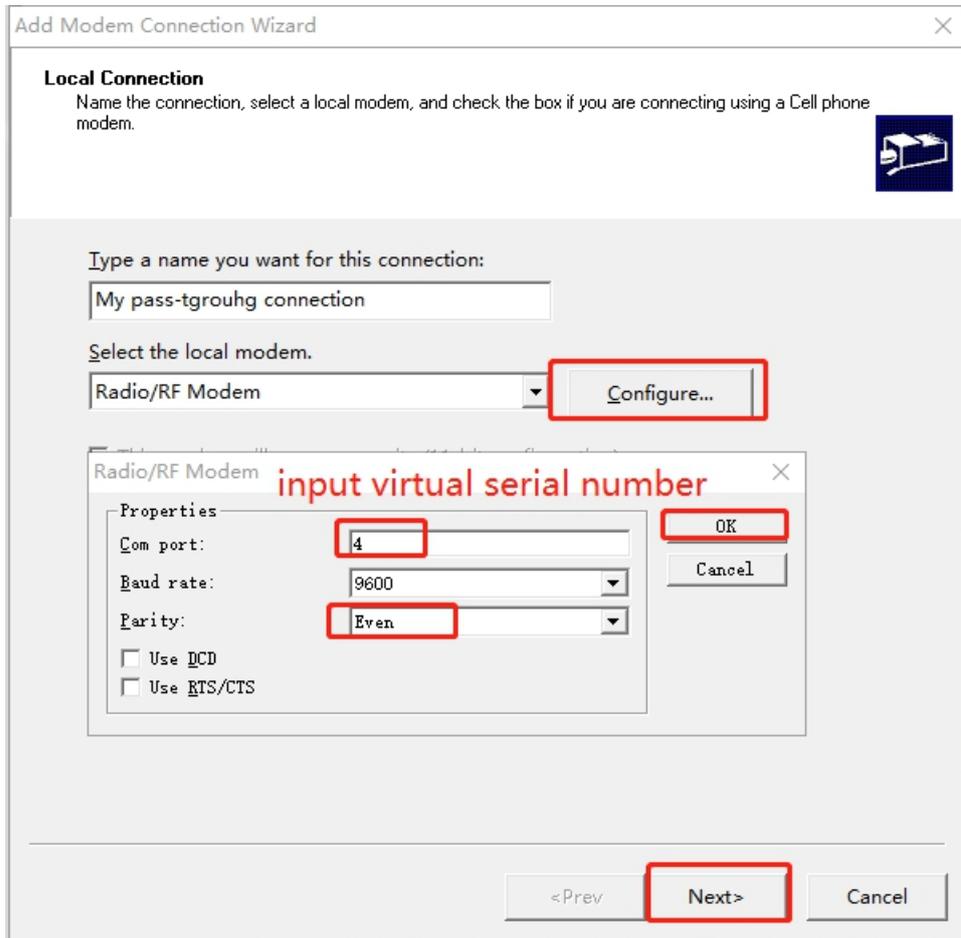




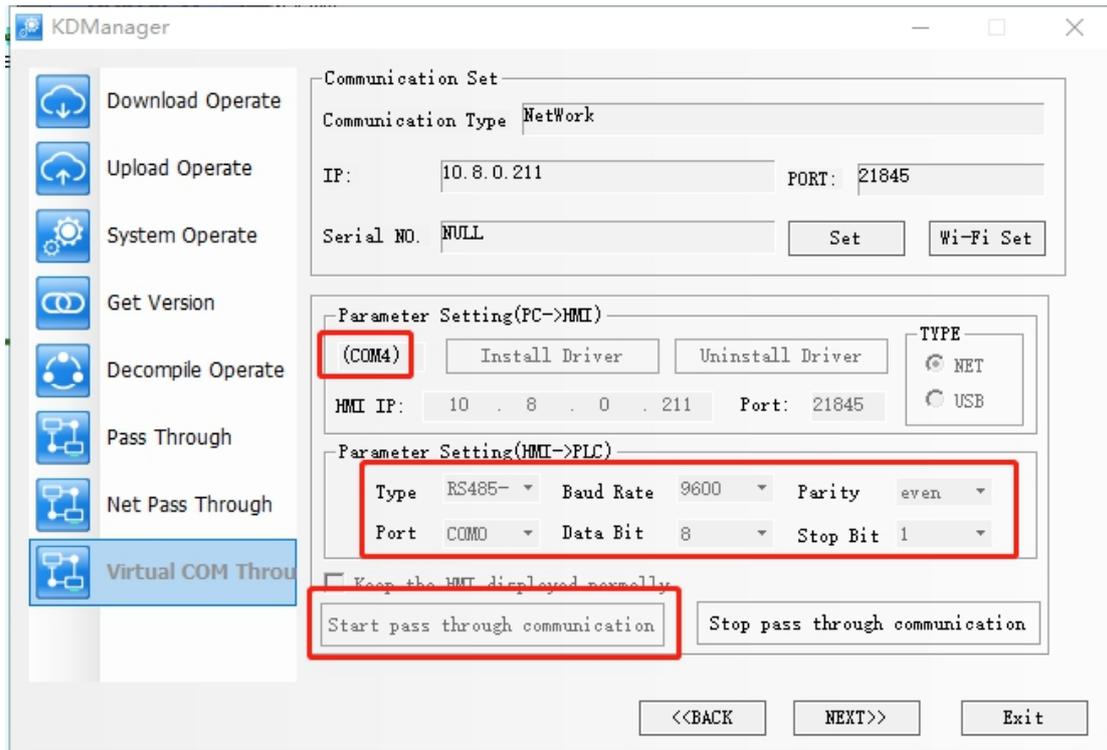




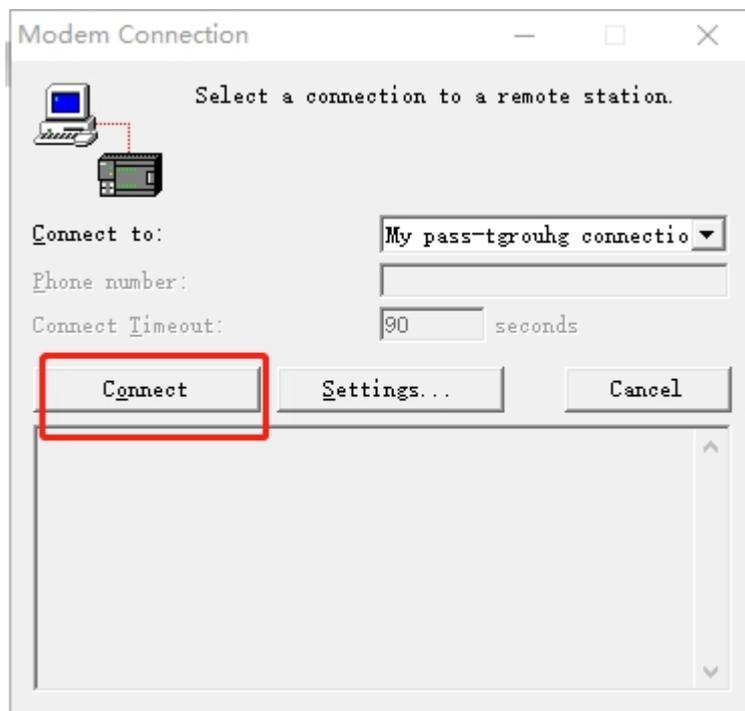
Set virtual COM port that u install by KDManger; Baud rate set as 9600 better,its

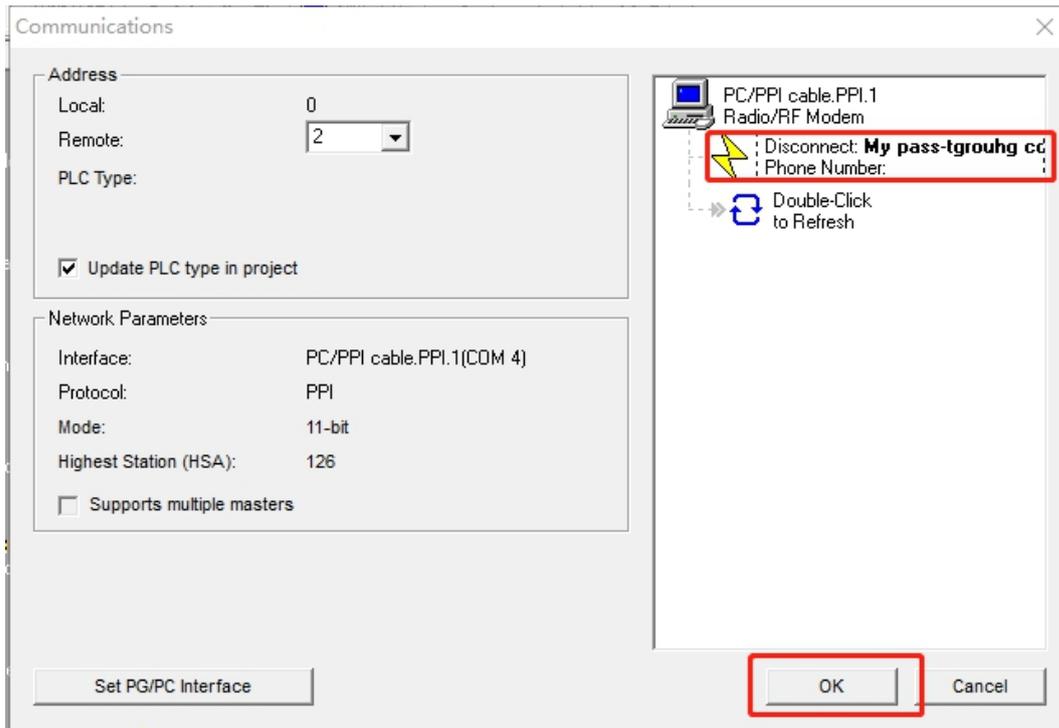


Start pass through communication



Click "connect"

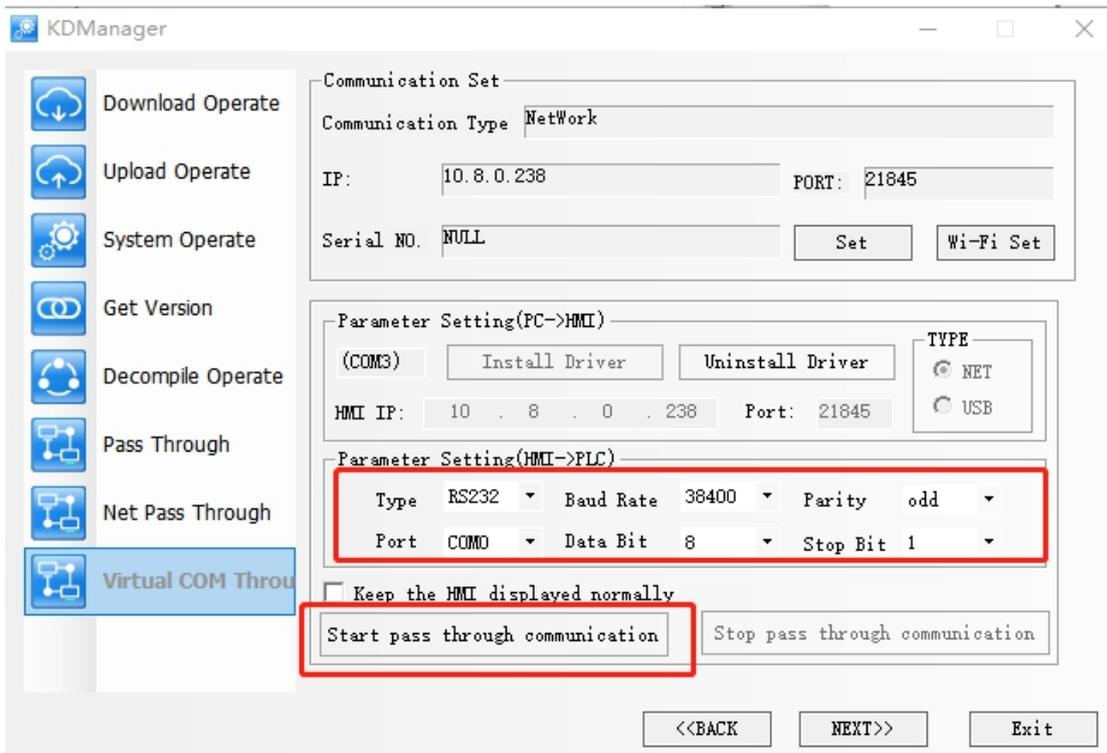




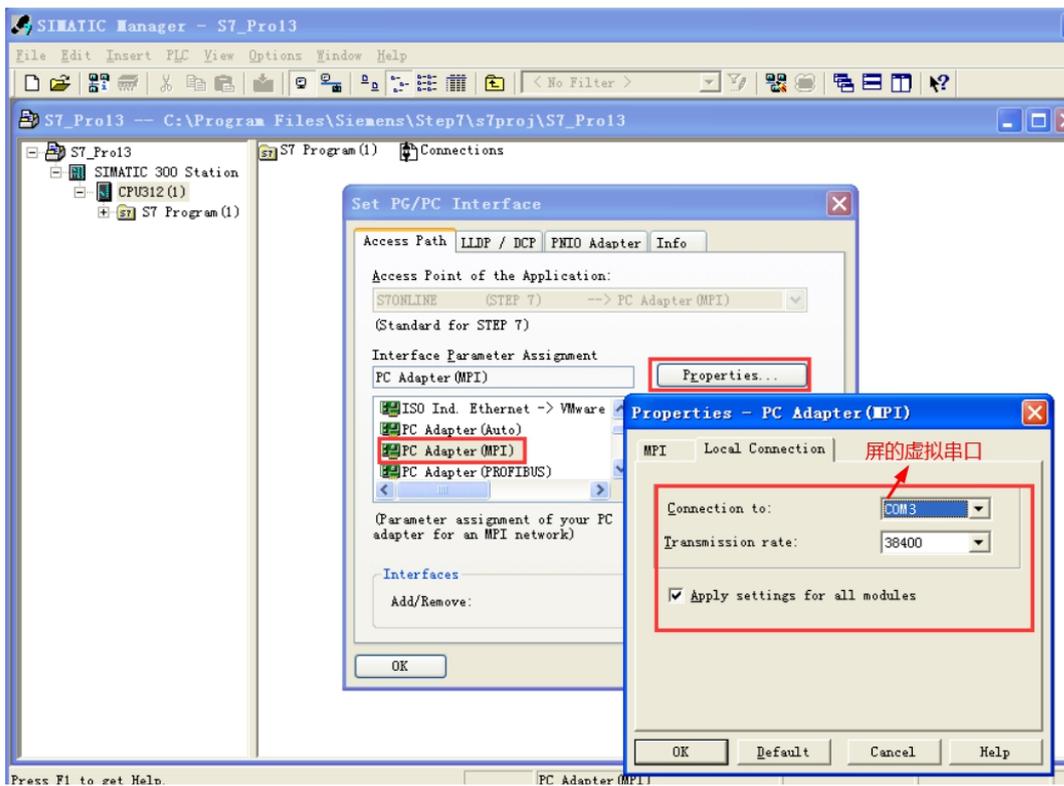
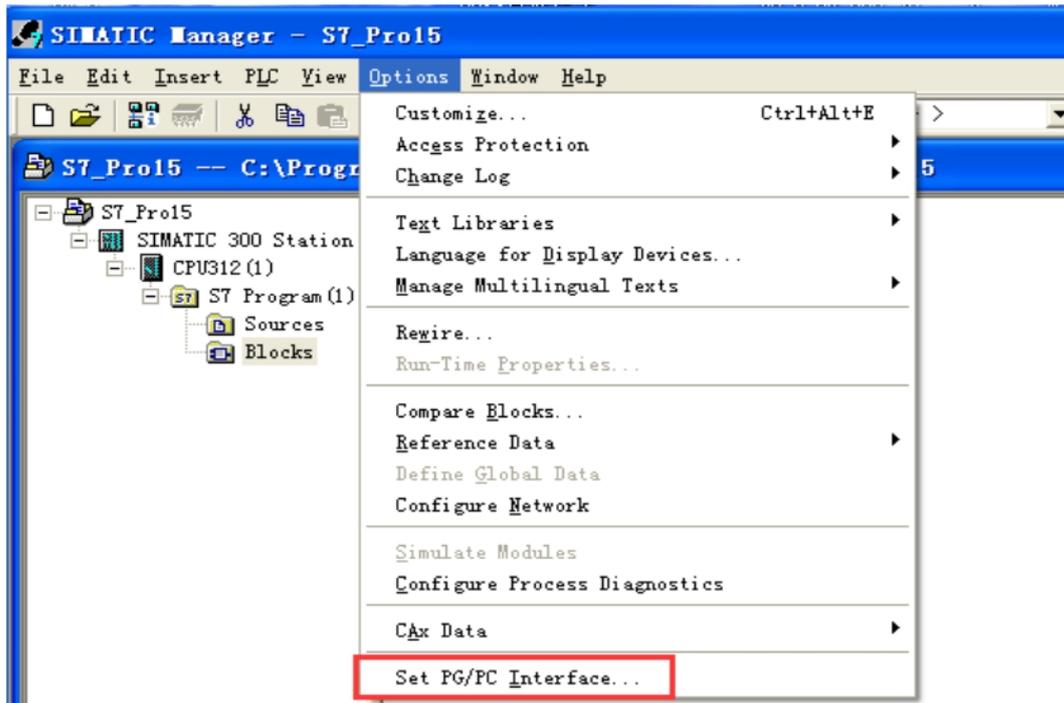
2.3.2 Siemens 300

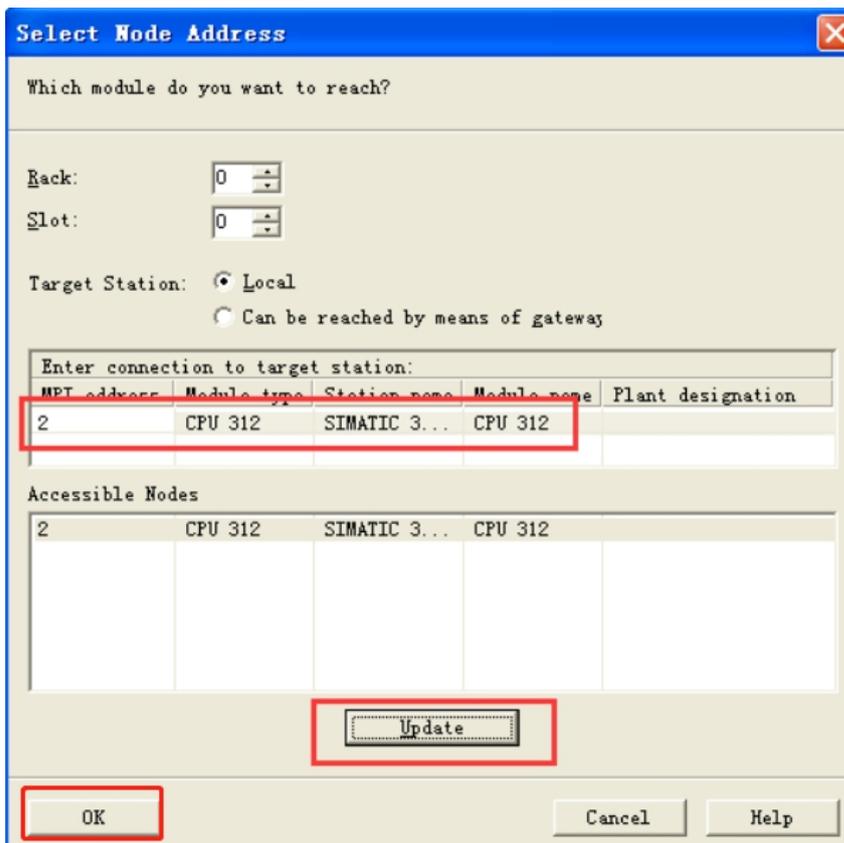
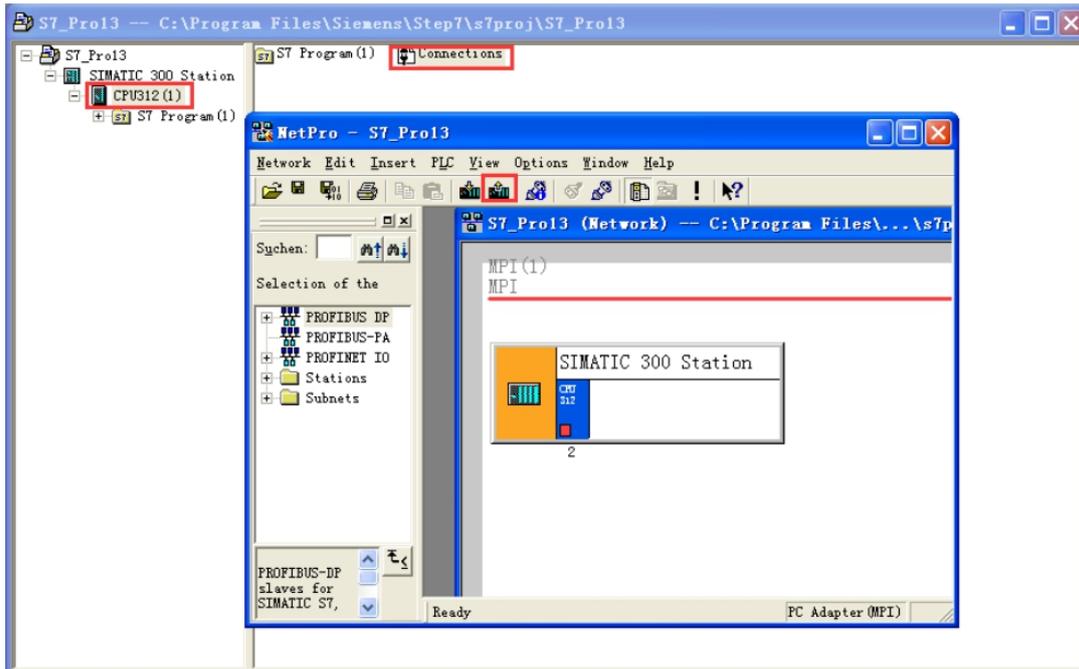
Note: This transparent transmission only supports the PC adapter line for communication transparent transmission.

KDmanager settings: only the following parameters can be used for transparent transmission



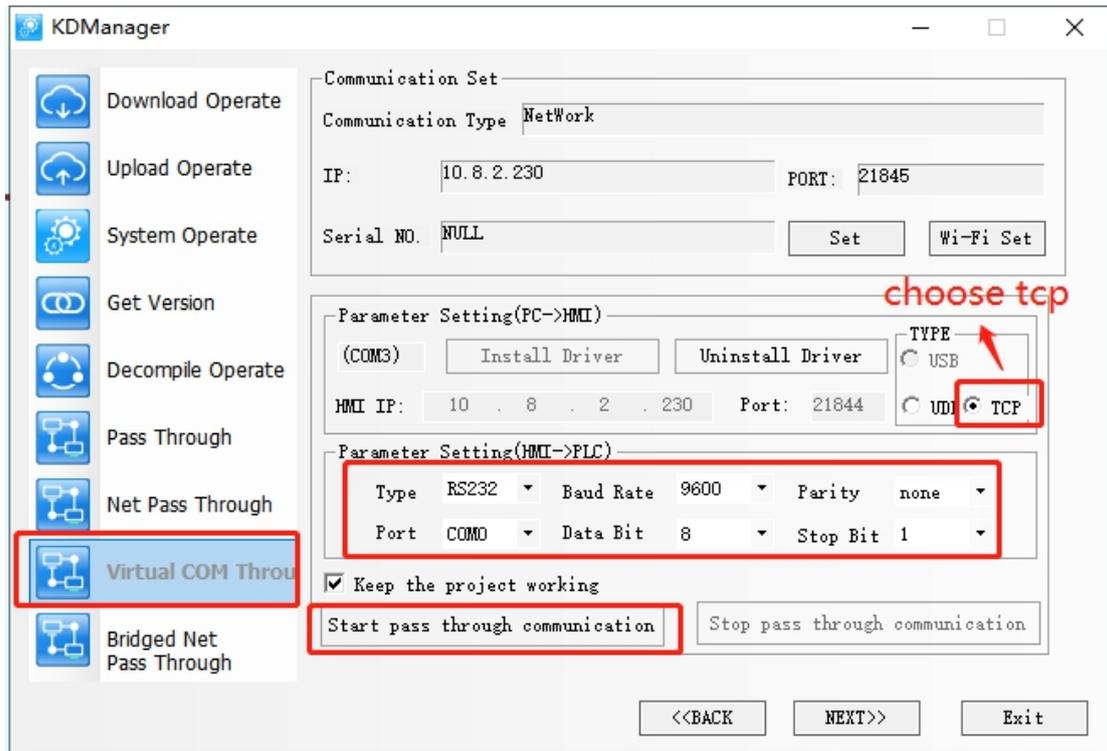
PLC Settings:



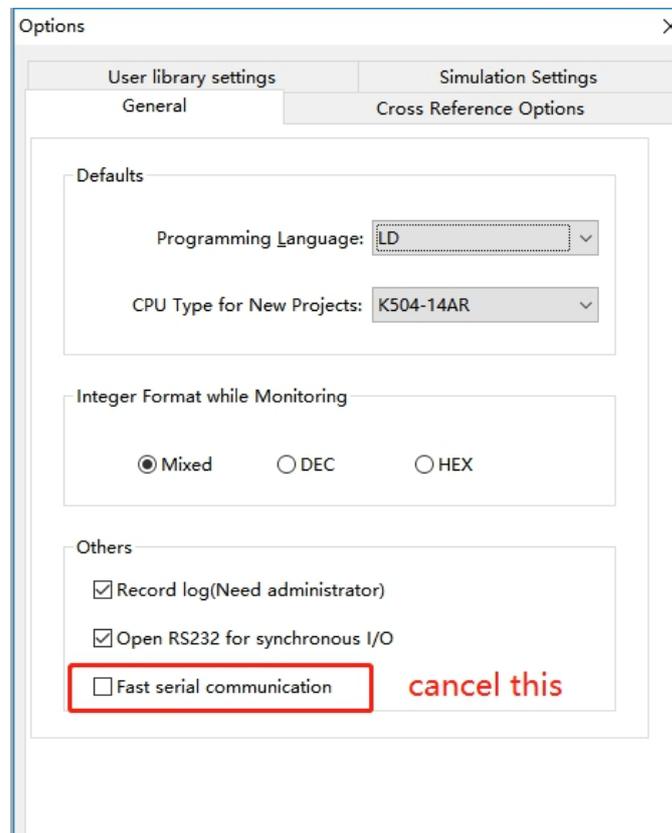
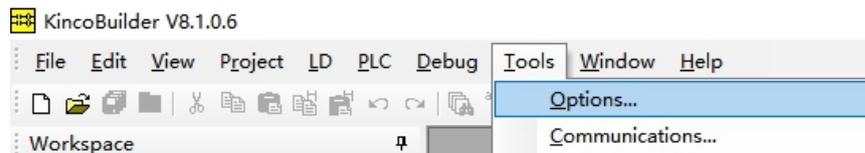


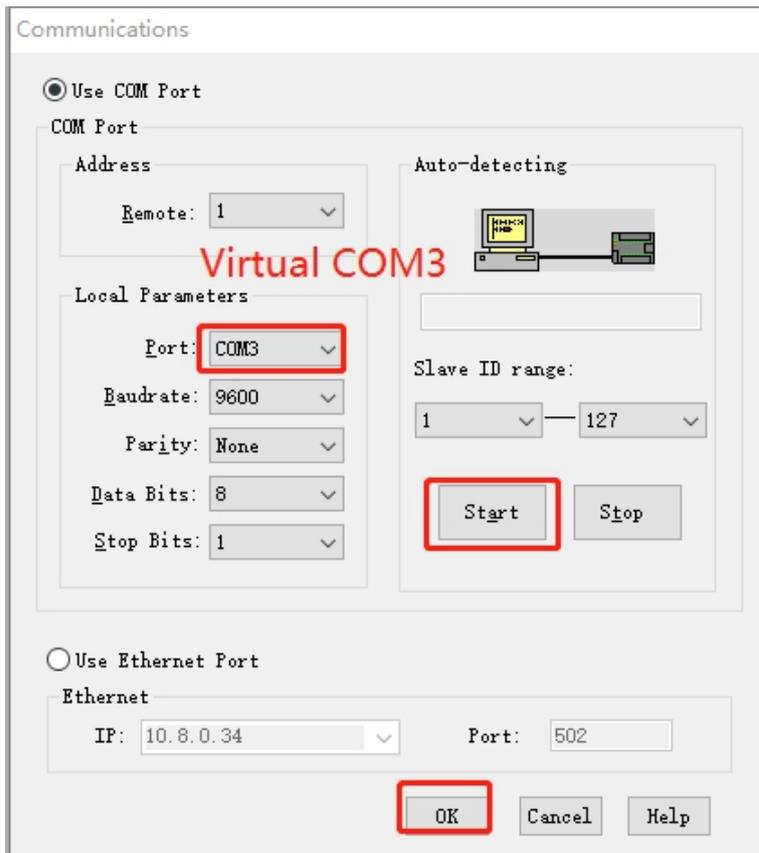
2.3.3 Kinco PLC

KDmanager settings:



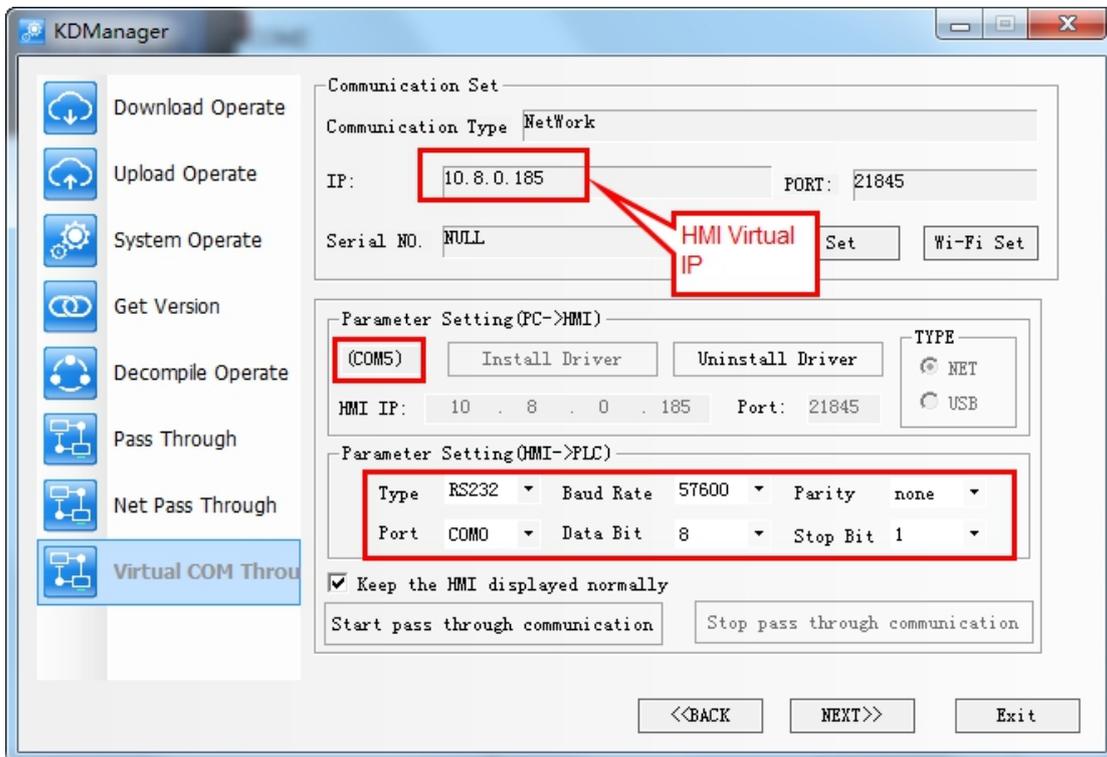
PLC settings:



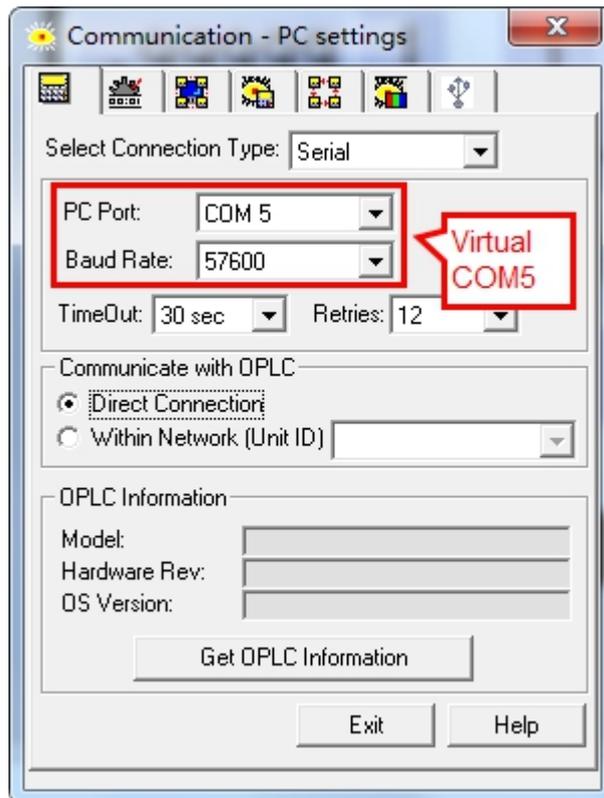


2.3.4 Unitronics PLC

KDManager settings



Visilogic settings

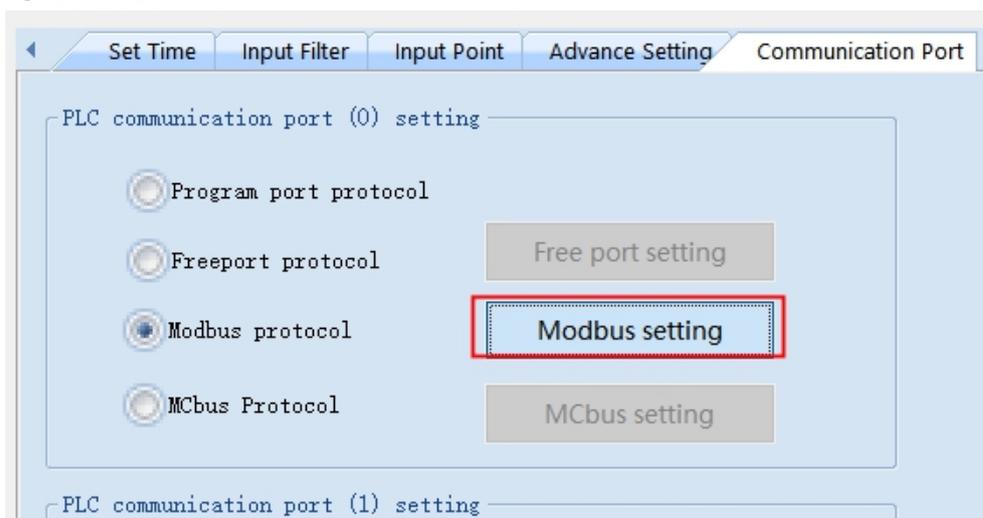


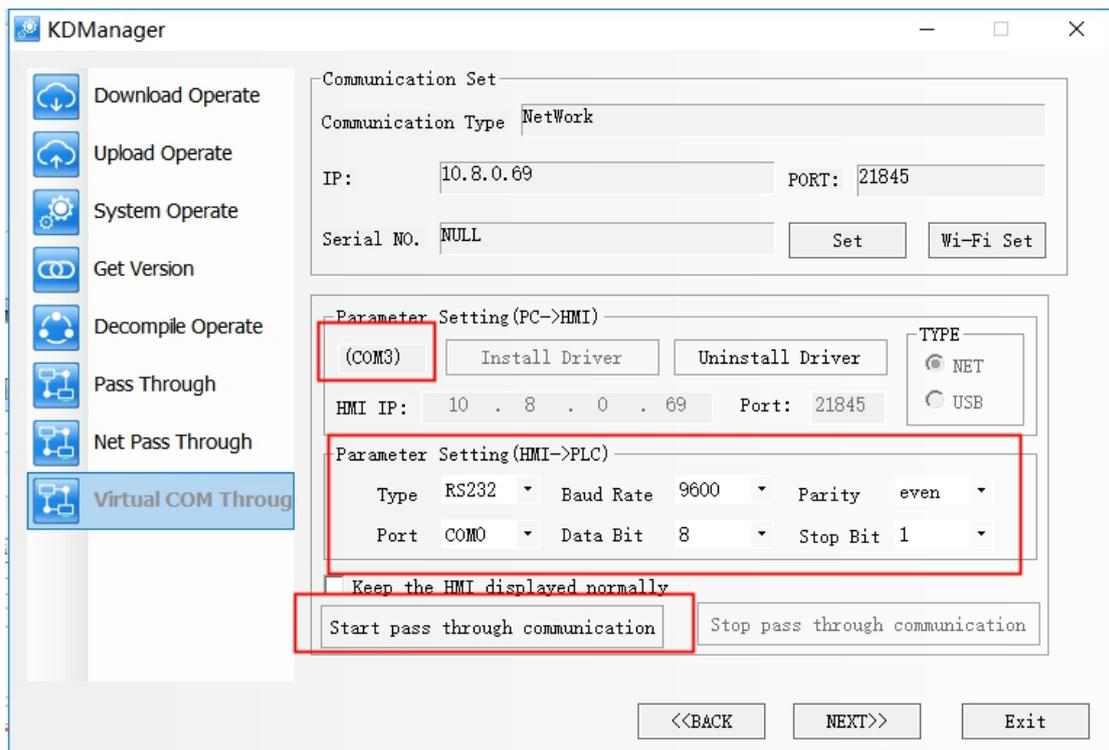
2.3.5 Megmeet PLC

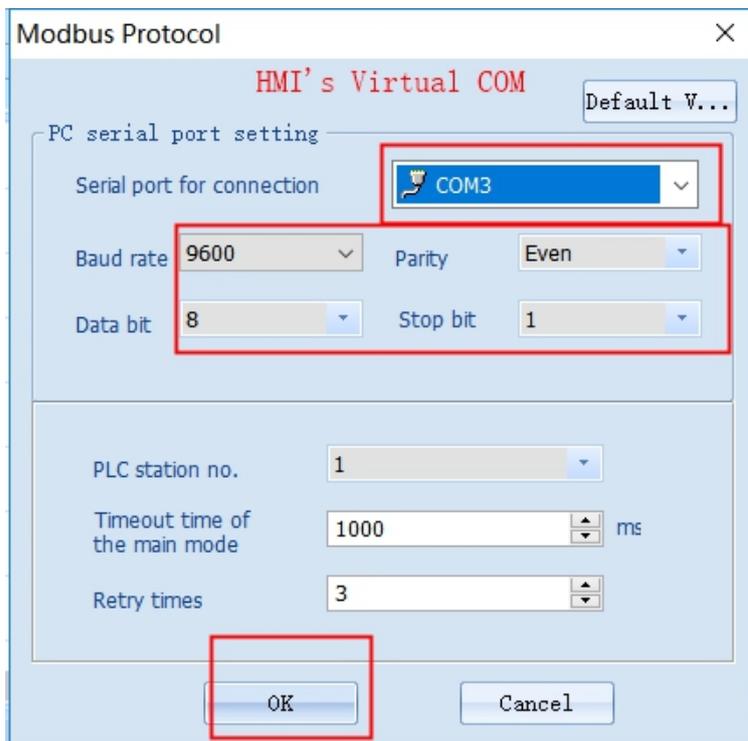
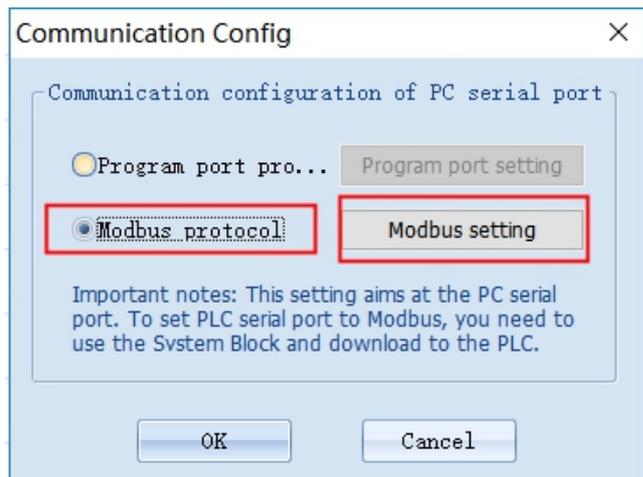
PLC Settings: MC280

Firstly, you should set the port0 of PLC to Modbus protocol, and then download it to PLC

System block

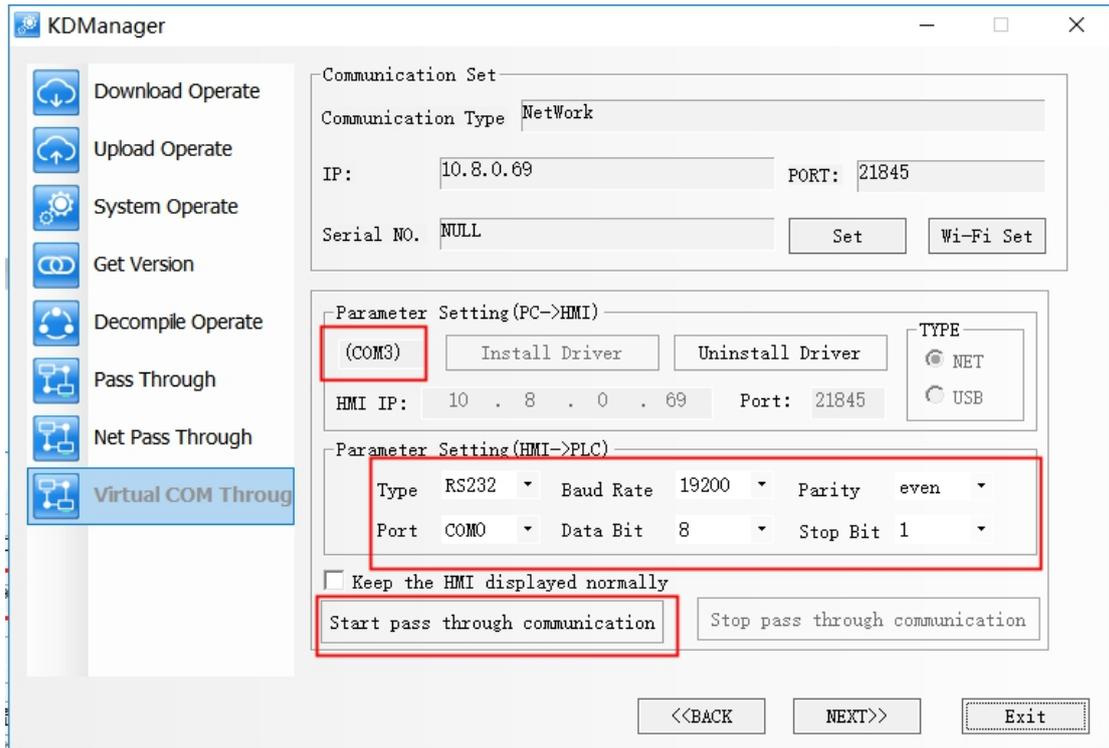




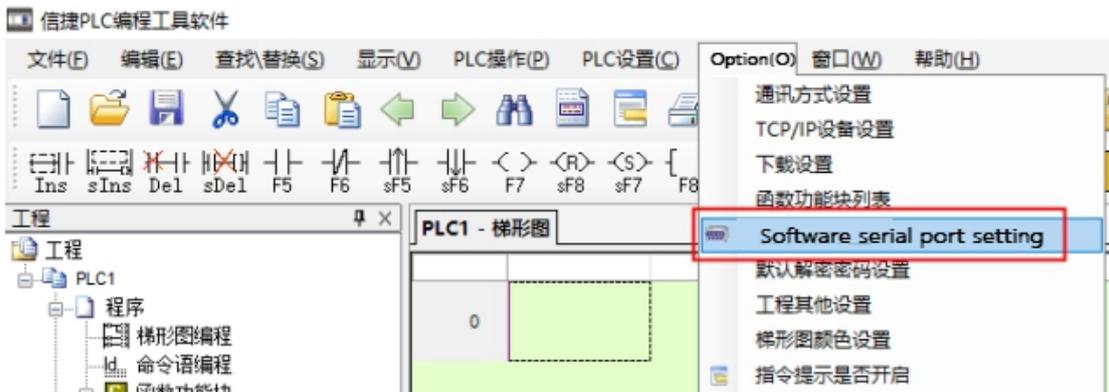


2.3.6 XINJIE XPLC

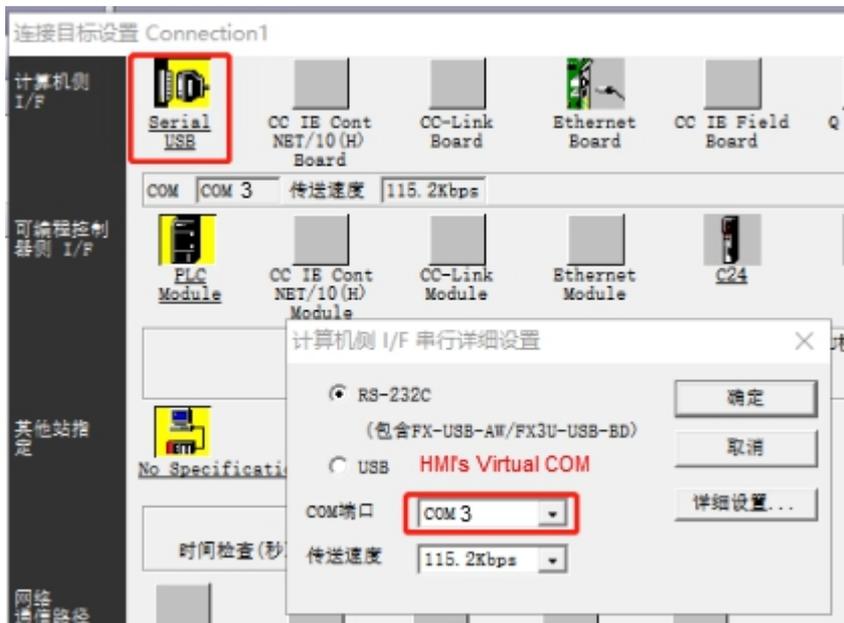
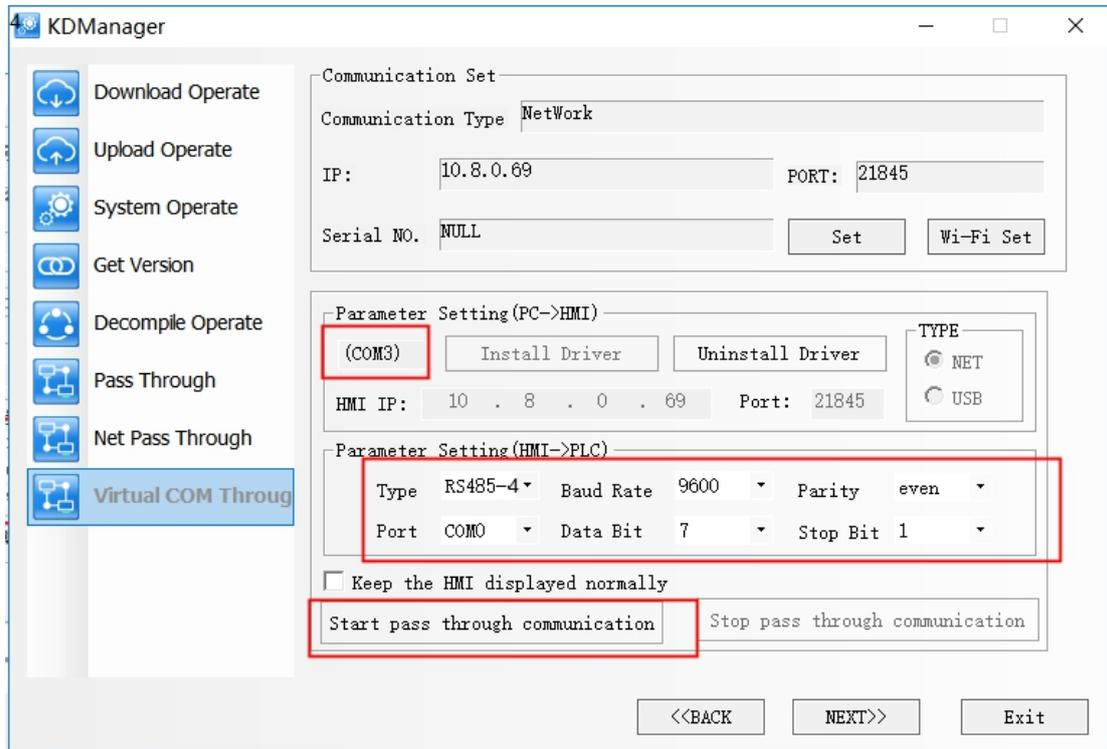
KDmanager Settings:

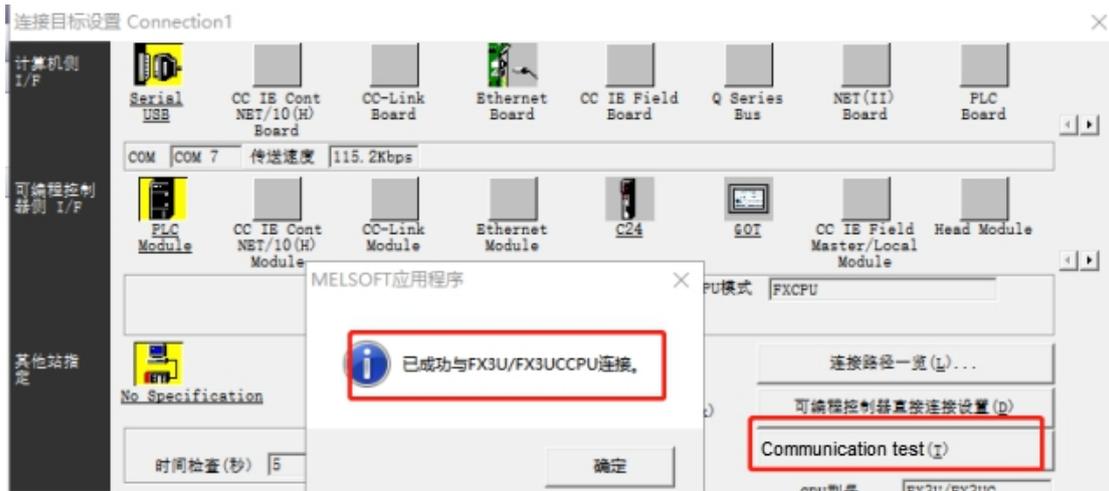


PLC Settings

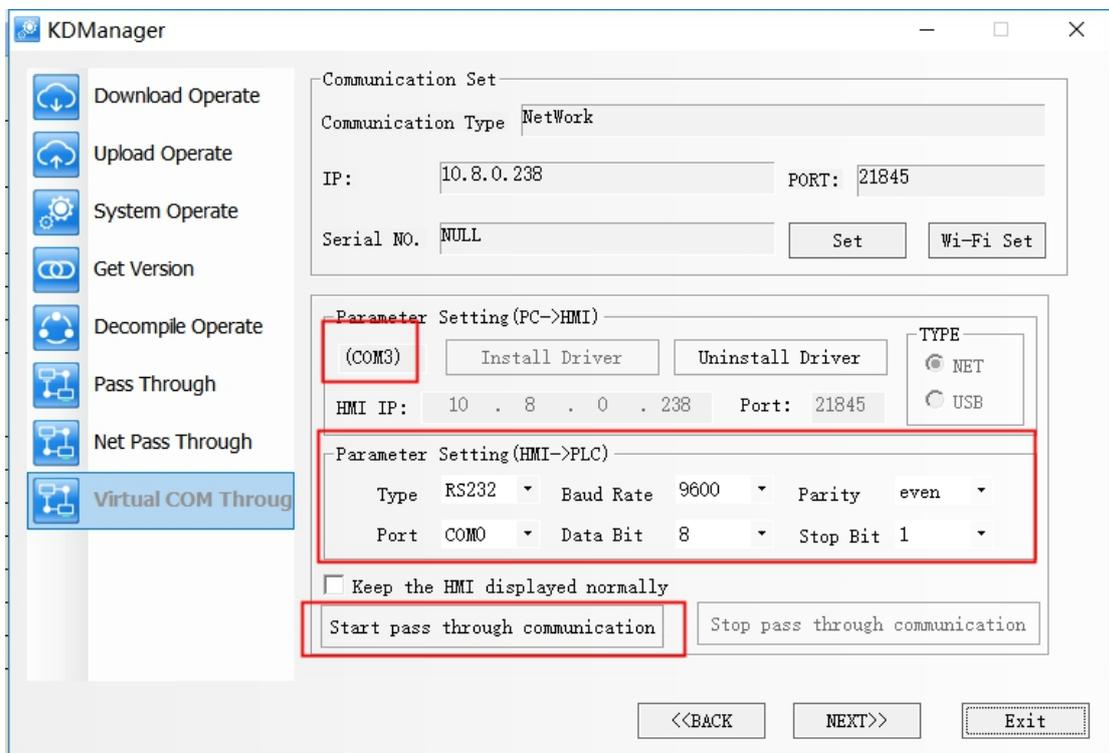


2.3.7 Mitsubishi FXPLC

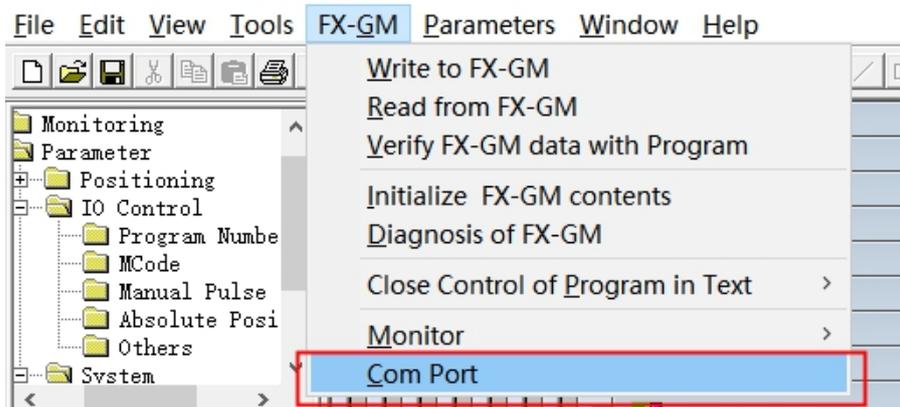


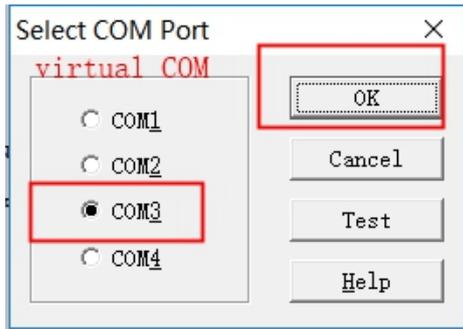


2.3.8 Mitsubishi FX2N-10\20 GM PLC



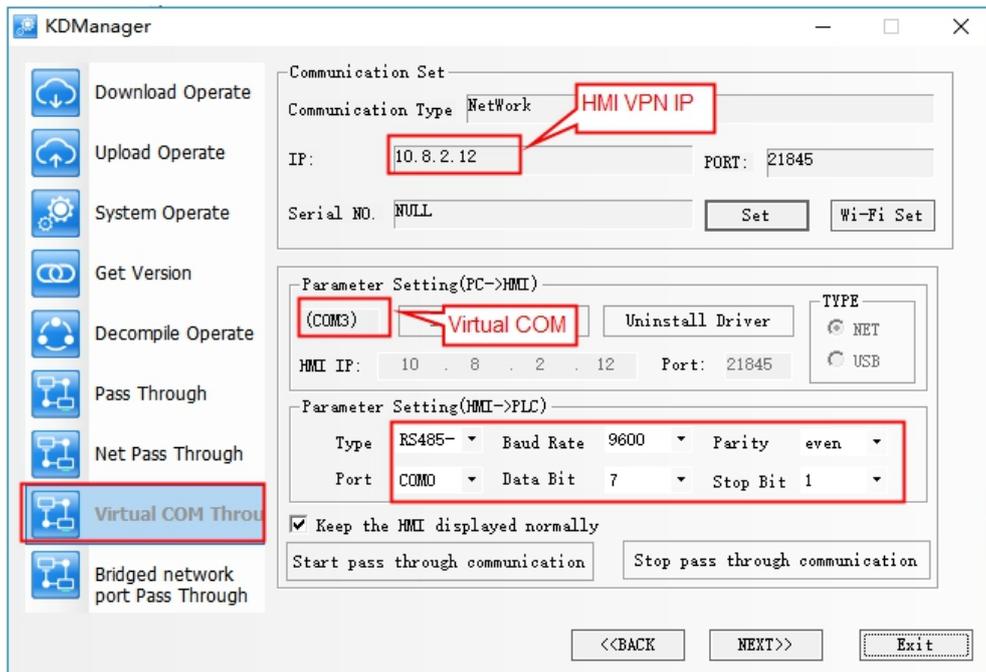
SWOD5-FXVPS-E - mk1060-10gm.vps



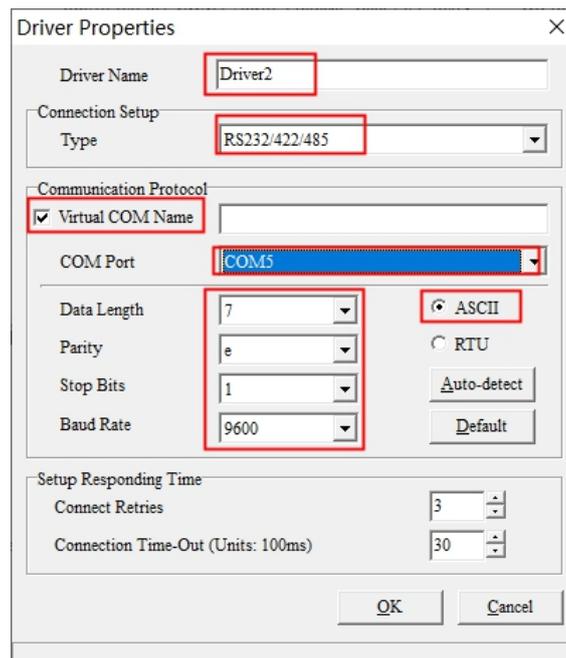


2.3.9 Delta AS PLC

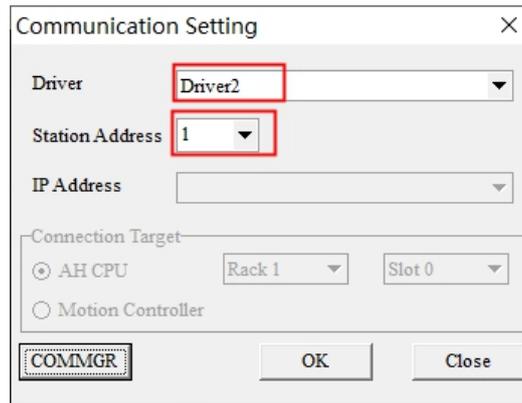
KDManager setting



COMMGER Setting:

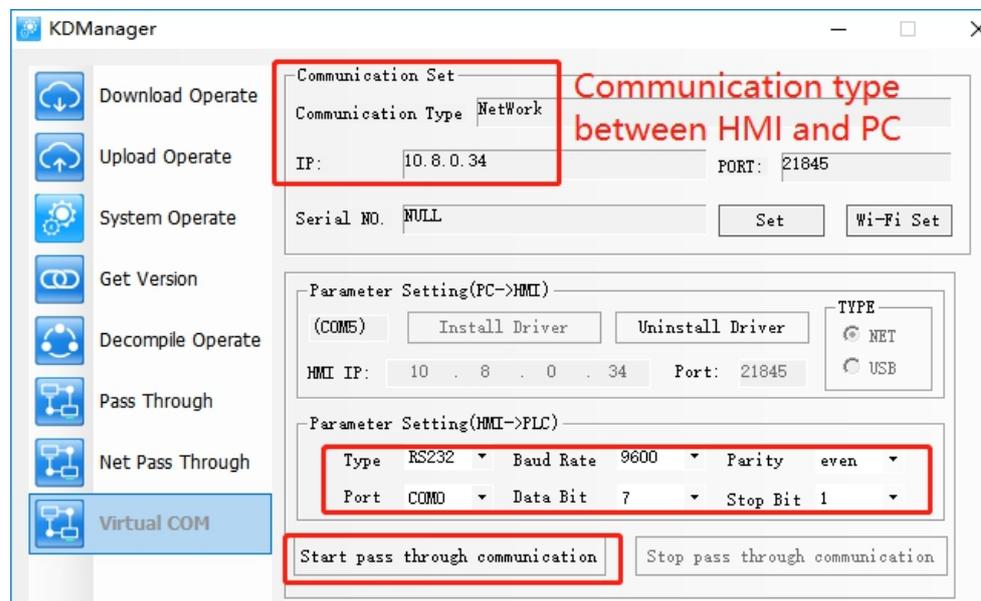


ISPSoft Communication Setting



2.3.10 Delta DVP PLC

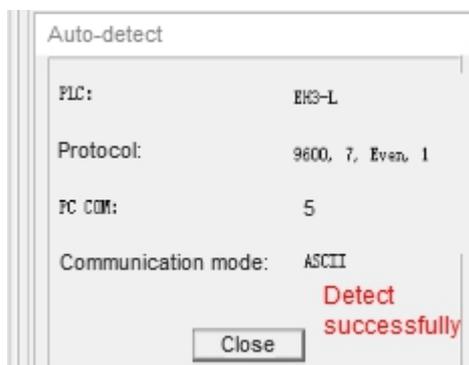
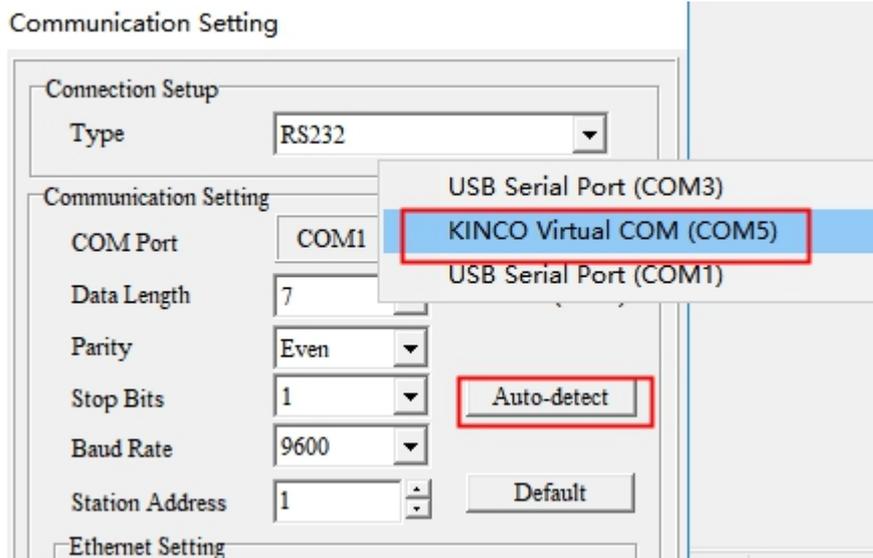
KDmanager setting



PLC programming software set virtual serial port to upload and download programs

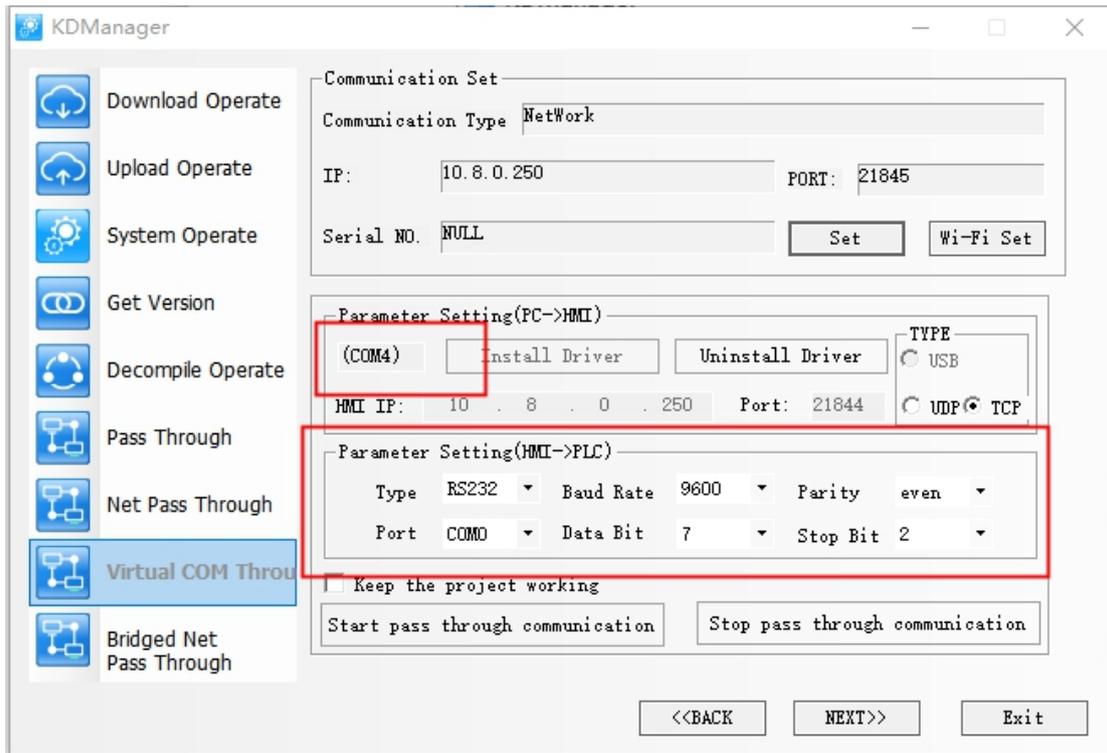
Open Delta WPLSoft programming software , Option-Communication setting , COM port chose Virtual COM5





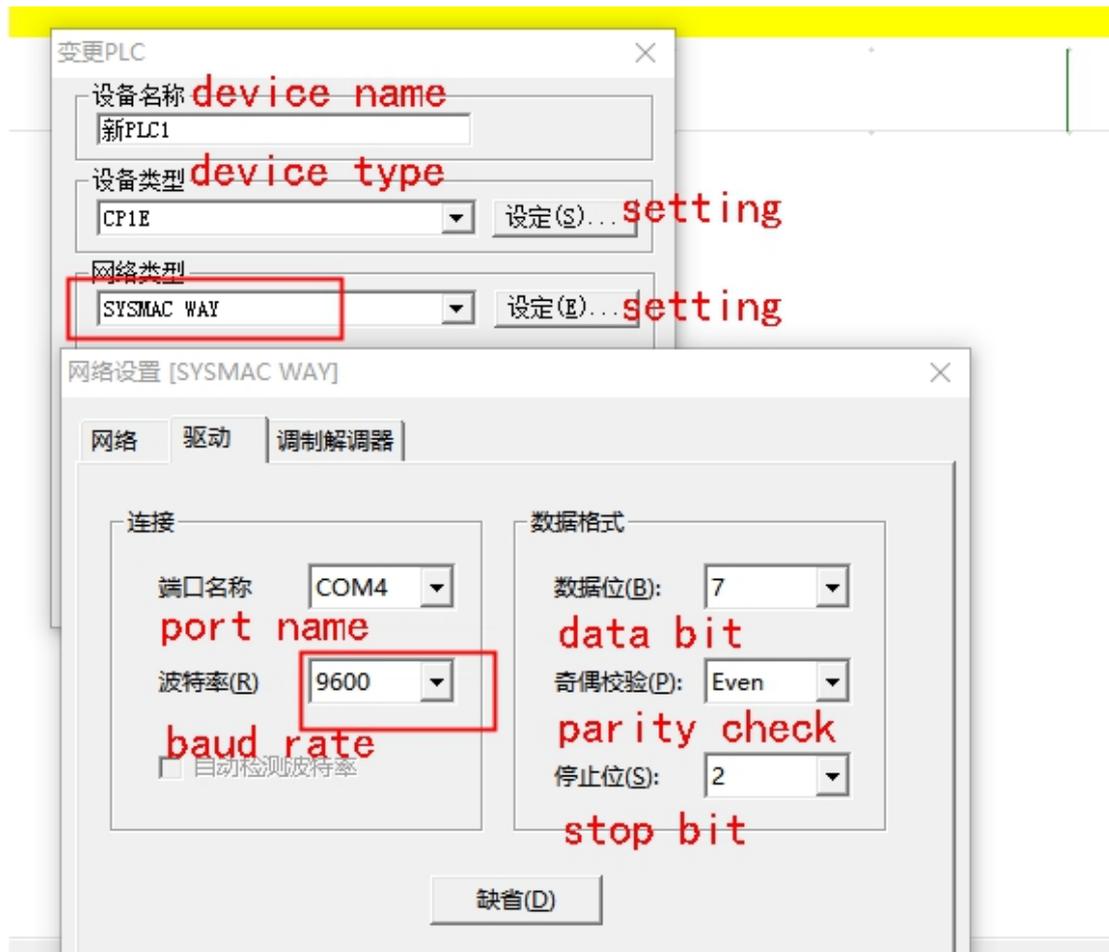
2.3.11 Omron CP PLC

KDmanager settings: Note that regardless of the communication baud rate between the screen and the PLC, the Omron CP serial port transparent transmission baud rate can only be 9600, otherwise the transparent transmission will not succeed.



PLC software setting: Take Omron CP1E model as an example

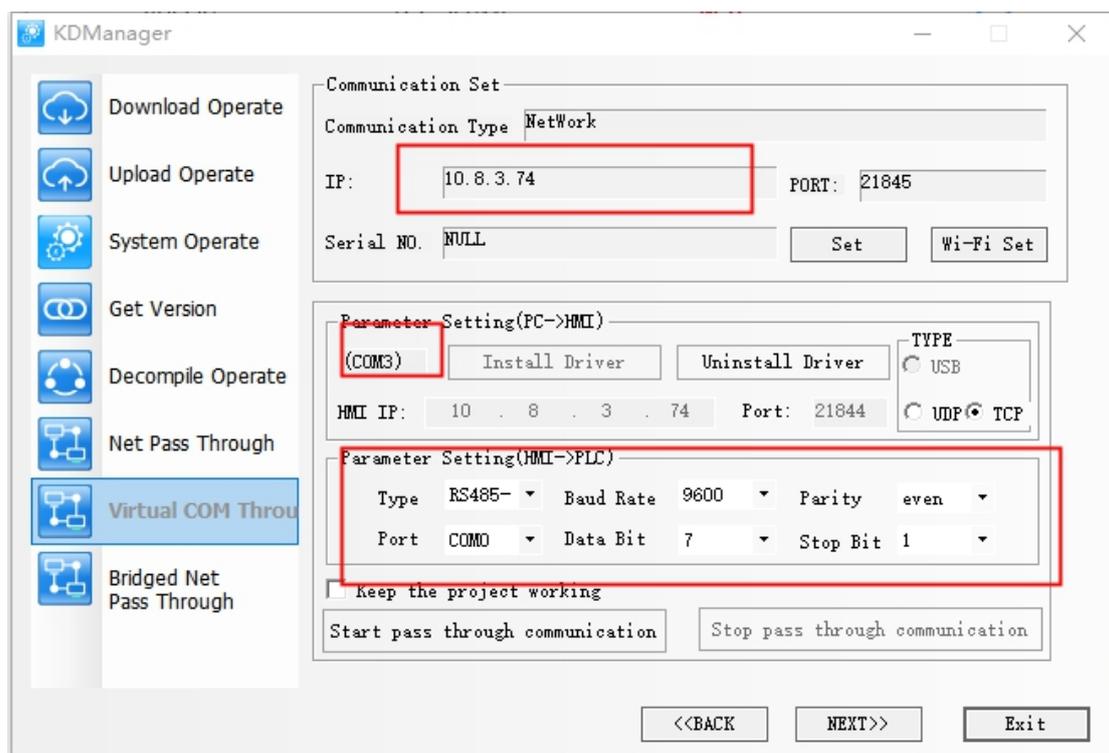
Open the software network settings and modify it to SYSMAC WAY, set the port number and modify it to the virtual serial port number



CPM2AH settings are the same as CP series

2.3.12 Inovance H2U

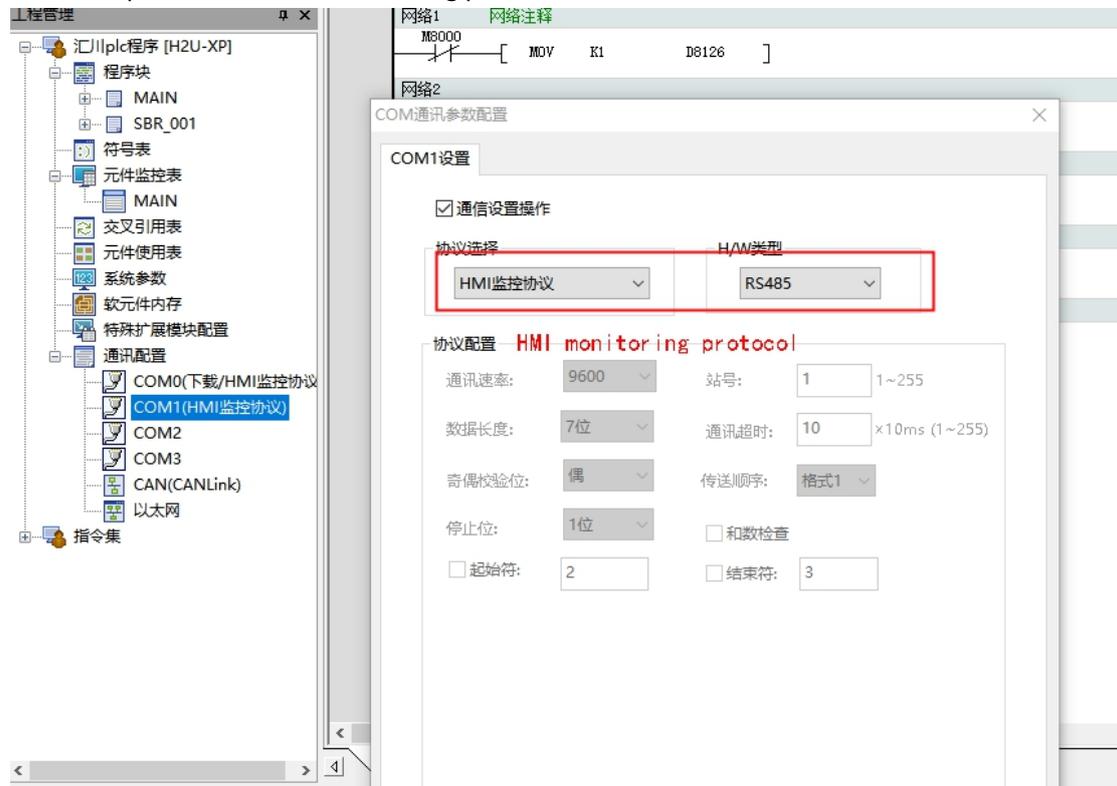
KDmanager settings:



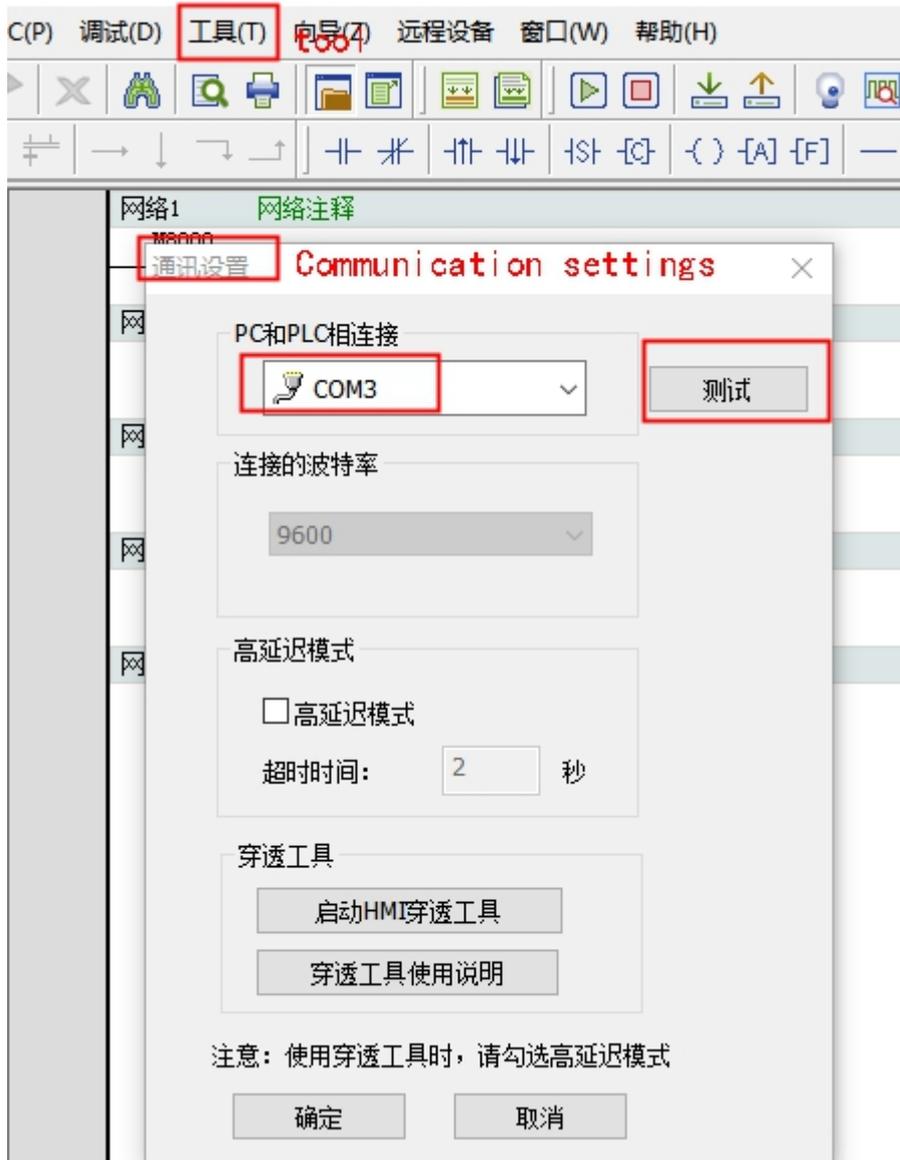
PLC software settings:

Note: AtuoShop version must be after V3.02. The previous virtual serial port connection was unsuccessful.

The serial port is set to HMI monitoring protocol, H/W is set to RS485



Open the AutoShop programming software, Tools-Communication Configuration, select the virtual serial port COM3 for the communication port, click the test successfully, you can upload and download the monitoring PLC.



3. Bridged network port Pass Through

Note 1: Bridged network port pass through only supports 4G/WIFI, and dual network screen to connect VPN.

Note 2: The file system of the screen or box must be ≥ 18628 , if the version lower than this version, will not support Bridged network port pass through

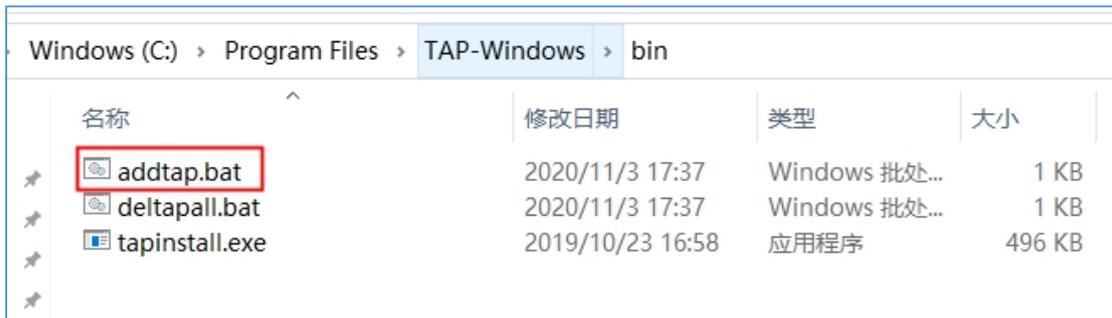
Note 3: When start bridged network pass through, the local network segment of the computer cannot be set to the same network segment as the PLC! Otherwise, the network segment of the computer network card driver and the bridged network card driver may conflict to make pass through fail

Note 4: If the PLC IP cannot be pinged after pass through, please check if at least two TAP-9 virtual network cards in computer.

Note 5: When using WIFI to connect to VPN for bridge network port Pass Through, the LAN IP network segment cannot conflict with the WIFI network segment

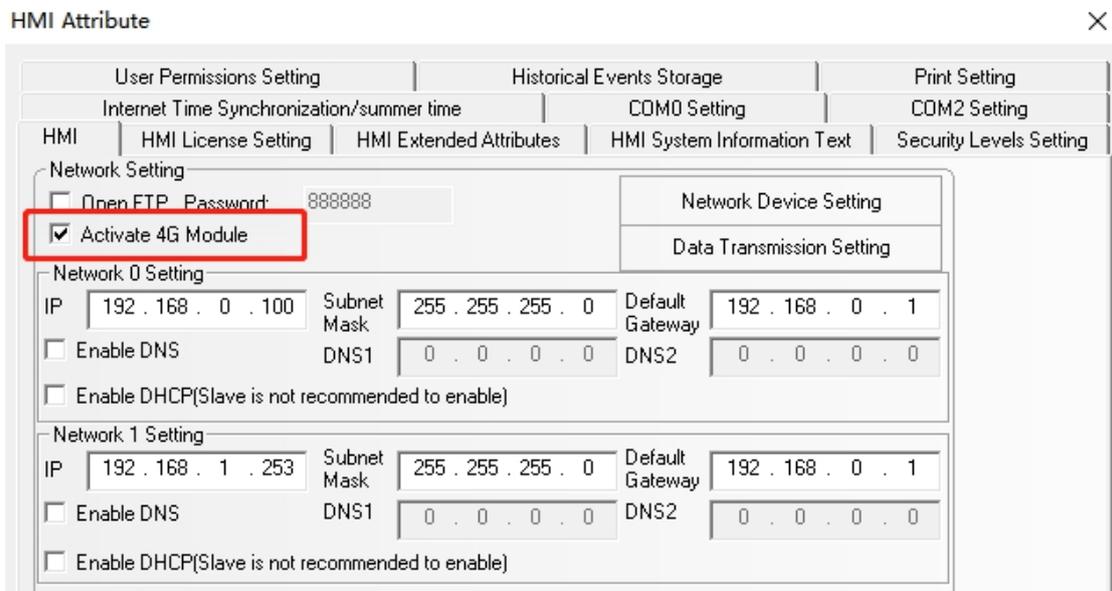


After installing EdgeAccessViewer application, you need to execute "addtap.bat" as administrator at "C:\Program Files\TAP-Windows"



3.1 How to set VPN network for Bridged network pass through

1. 4G screen : Active 4G module in HMI attribute to connect VPN network



1. WIFI screen: Enable DHCP, or set static DNS to connect VPN network

HMI Attribute

User Permissions Setting	Historical Events Storage	Print Setting			
Internet Time Synchronization/summer time	COM0 Setting	COM2 Setting			
Extended Me					
HMI	Task Bar	HMI License Setting			
HMI Extended Attributes	HMI System Information Text	Security Level			
Network Setting					
<input type="checkbox"/> Open FTP Password: 888888		Network Device Setting			
Network 0 Setting					
IP	192 . 168 . 0 . 100	Subnet Mask	255 . 255 . 255 . 0	Default Gateway	192 . 168 . 0 . 1
<input type="checkbox"/> Enable DNS	DNS1	0 . 0 . 0 . 0	DNS2	0 . 0 . 0 . 0	
<input type="checkbox"/> Enable DHCP(Slave is not recommended to enable)					
Network 1 Setting					
IP	192 . 168 . 1 . 253	Subnet Mask	255 . 255 . 255 . 0	Default Gateway	192 . 168 . 0 . 1
<input type="checkbox"/> Enable DNS	DNS1	0 . 0 . 0 . 0	DNS2	0 . 0 . 0 . 0	
<input type="checkbox"/> Enable DHCP(Slave is not recommended to enable)					
Wi-Fi Setting					
IP	192 . 168 . 2 . 253	Subnet Mask	255 . 255 . 255 . 0	Default Gateway	192 . 168 . 0 . 1
<input checked="" type="checkbox"/> Enable DNS	DNS1	0 . 0 . 0 . 0	DNS2	0 . 0 . 0 . 0	
<input checked="" type="checkbox"/> Enable DHCP(Slave is not recommended to enable)		<input checked="" type="checkbox"/> Activate Wi-Fi			
Display Setting			Field Bus Setting		
Display mode			Horizontal Vertical		

- Dual network screen: One of the network ports is used to communicate with the PLC, and the other one is connected to the external network to connect to the VPN network by checking DHCP or setting static DNS

HMI Attribute

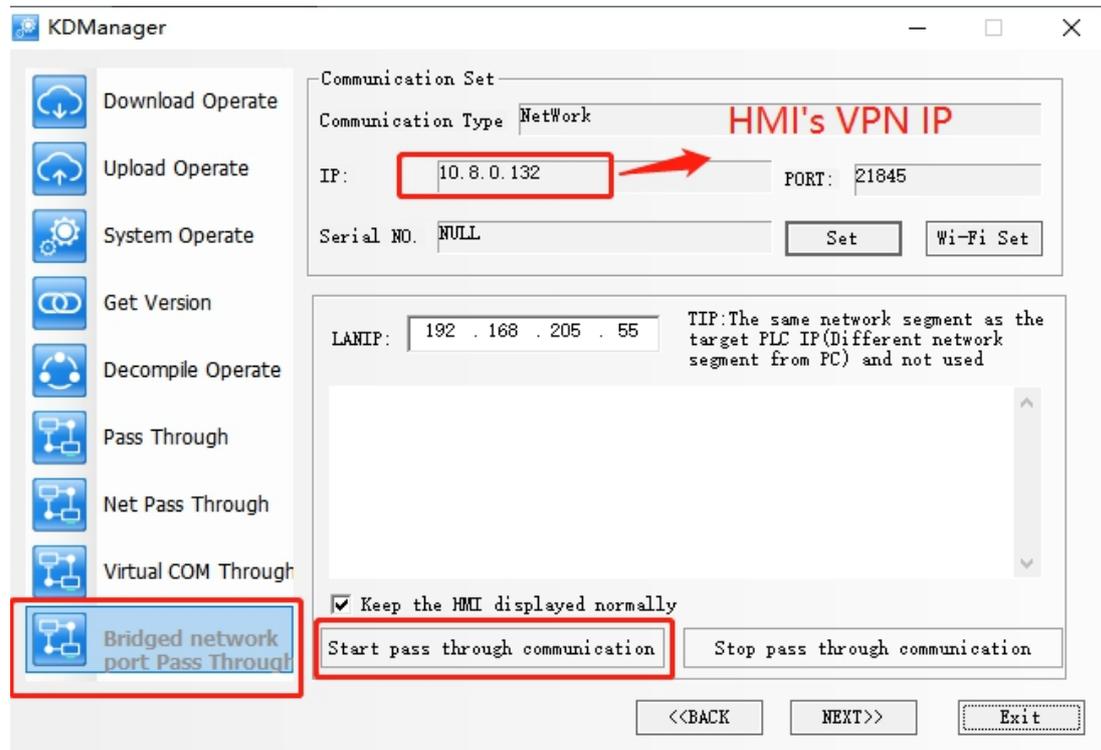
User Permissions Setting	Historical Events Storage	Print Setting			
Internet Time Synchronization/summer time	COM0 Setting	COM2 Setting			
HMI	HMI License Setting	HMI Extended Attributes			
HMI System Information Text	Security Levels Setting				
Network Setting					
<input type="checkbox"/> Open FTP Password: 888888		Network Device Setting			
Data Transmission Setting					
Network 0 Setting					
IP	192 . 168 . 0 . 100	Subnet Mask	255 . 255 . 255 . 0	Default Gateway	192 . 168 . 0 . 1
<input type="checkbox"/> Enable DNS	DNS1	0 . 0 . 0 . 0	DNS2	0 . 0 . 0 . 0	
<input type="checkbox"/> Enable DHCP(Slave is not recommended to enable)					
Network 1 Setting					
IP	192 . 168 . 1 . 253	Subnet Mask	255 . 255 . 255 . 0	Default Gateway	192 . 168 . 0 . 1
<input type="checkbox"/> Enable DNS	DNS1	0 . 0 . 0 . 0	DNS2	0 . 0 . 0 . 0	
<input checked="" type="checkbox"/> Enable DHCP(Slave is not recommended to enable)					
Wi-Fi Setting					

KDmanager Settings:

Open KManager , Select the Bridged network port pass through , and input an IP that is the same network segment as the PLC and does not conflict, (for example, the PLC ' s IP is 192.168.205.113, and the LAN IP is set to 192.168.205.55). Click to start pass through

communication. After pass through successfully, your computer can ping the PLC's IP successfully, and then the PLC software can download the project to the PLC.

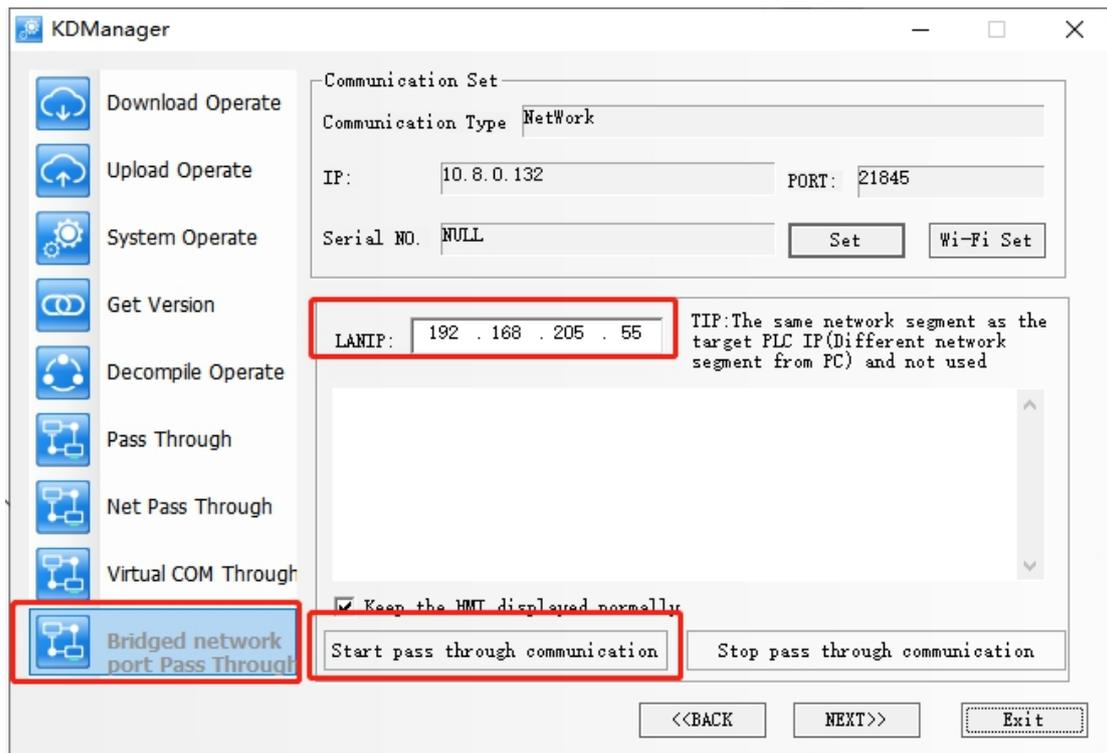
Note : When start bridged network pass through,the local network segment of the computer cannot be set to the same network segment as the PLC! Otherwise, the network segment of the computer network card driver and the bridged network card driver may conflict to make pass through fail



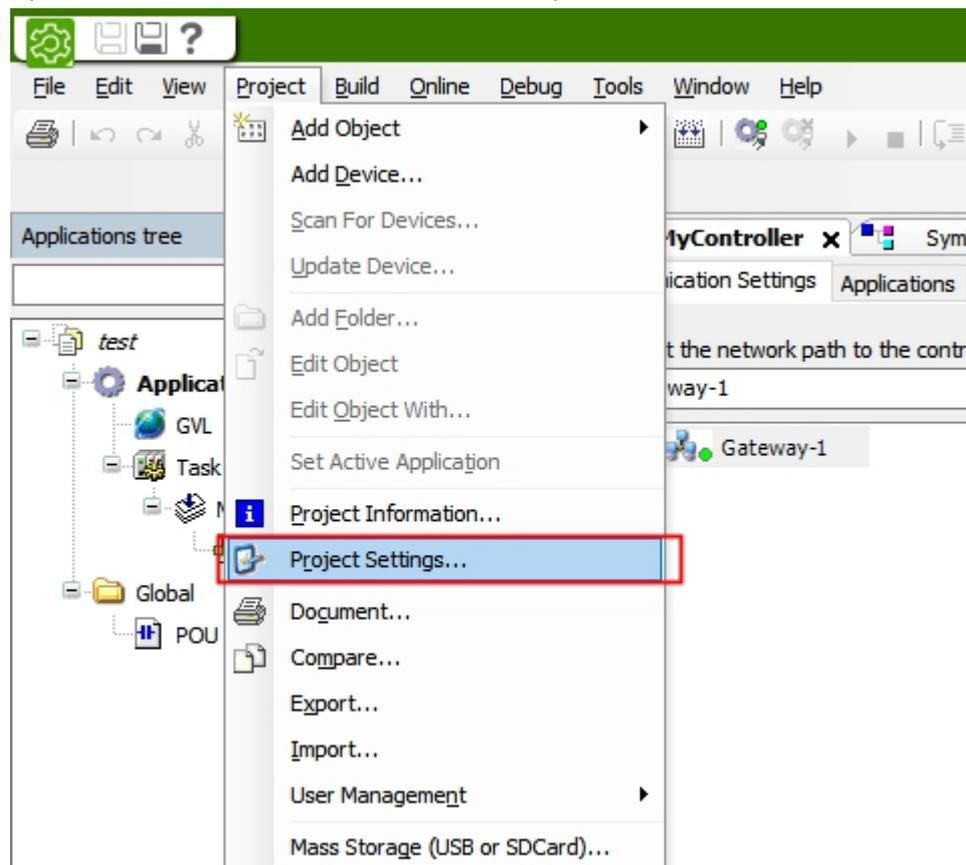
3.2.1 Schneider M258

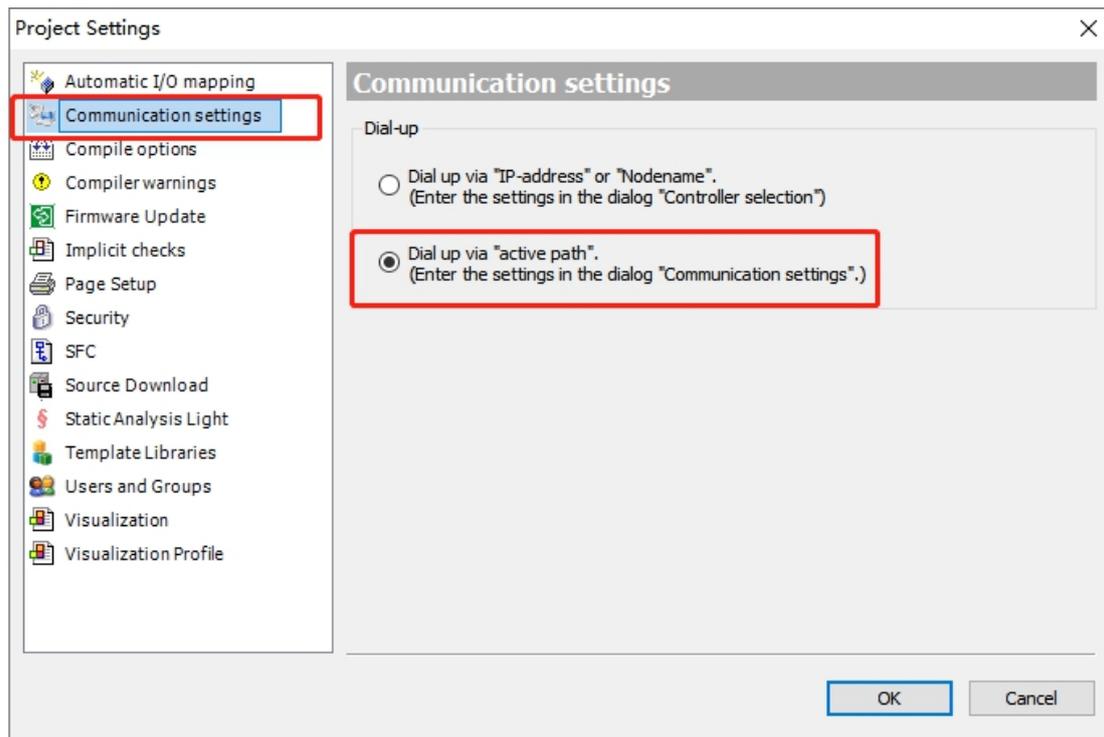
For example, M258 PLC's IP is 192.168.205.113, and your computer's local network IP is not the same network segment

KDmanager Settings: Input a LAN IP, to the same network segment as the PLC and this IP is not occupied by other devices

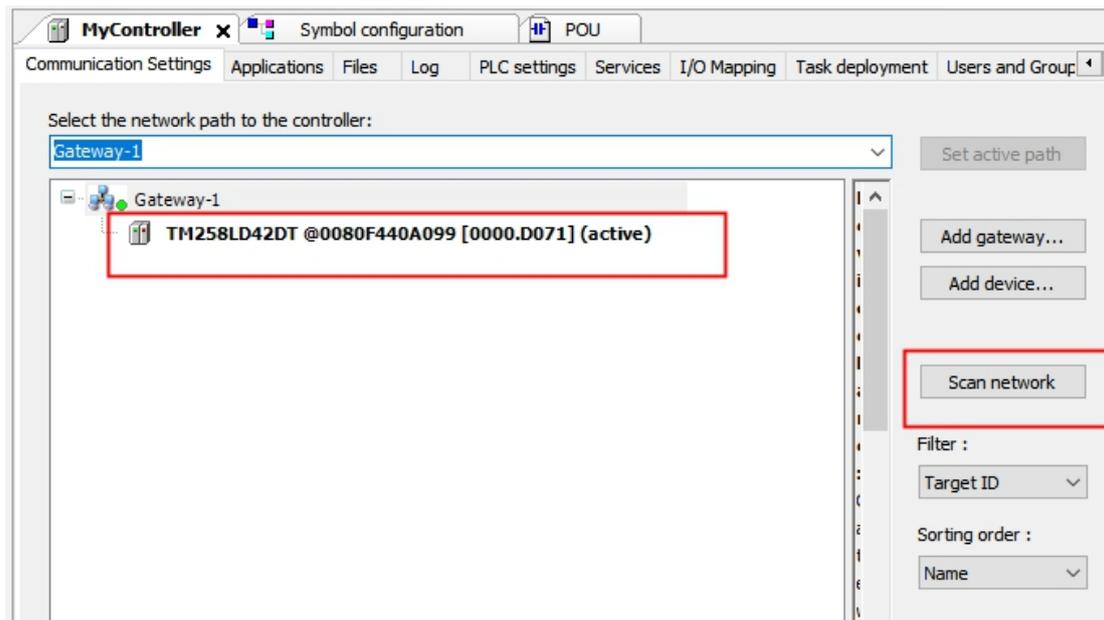


Open PLC software, Set online mode to active path





Scan network

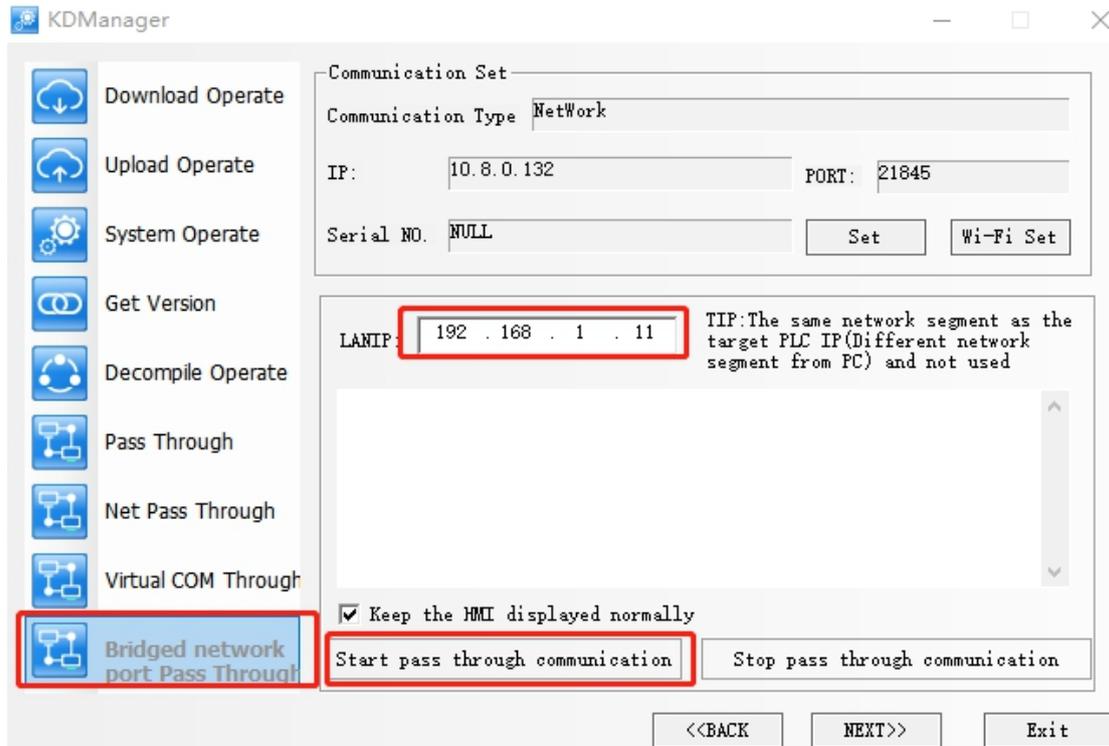


3.2.2 Schneider M200

KDmanager settings

For example, M258 PLC's IP is 192.168.1.201, and your computer's local network IP is not the same network segment

KDmanager Settings: Input a LAN IP, to the same network segment as the PLC and this IP is not occupied by other devices



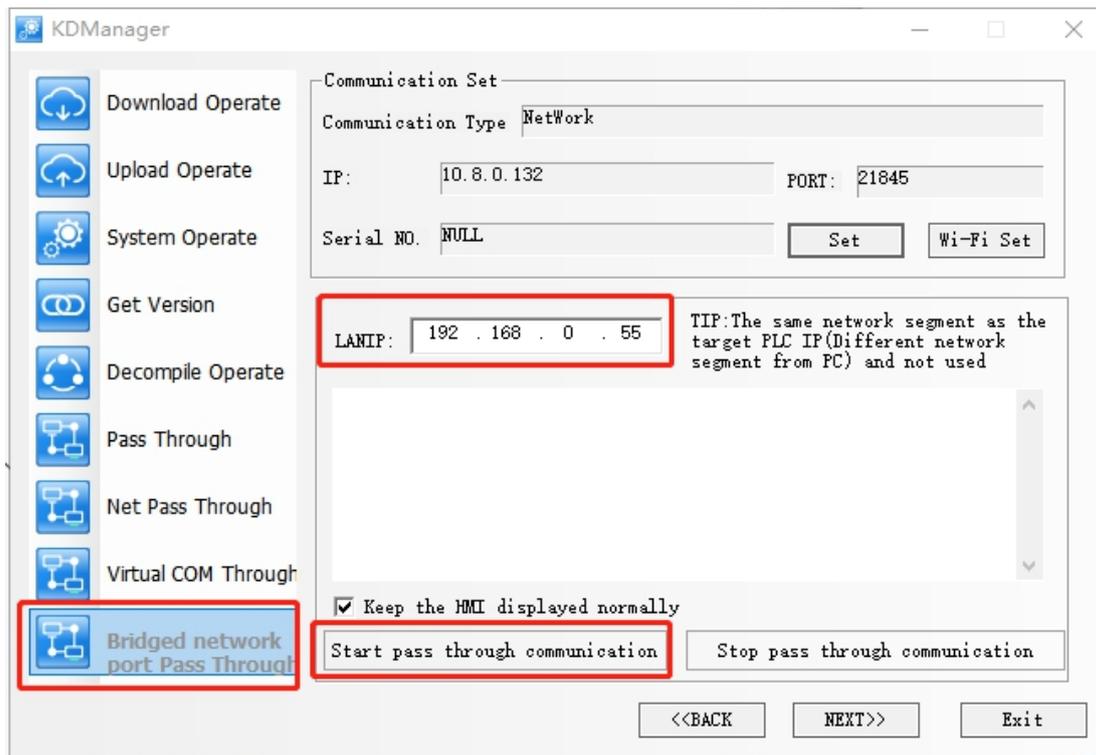
PLC settings



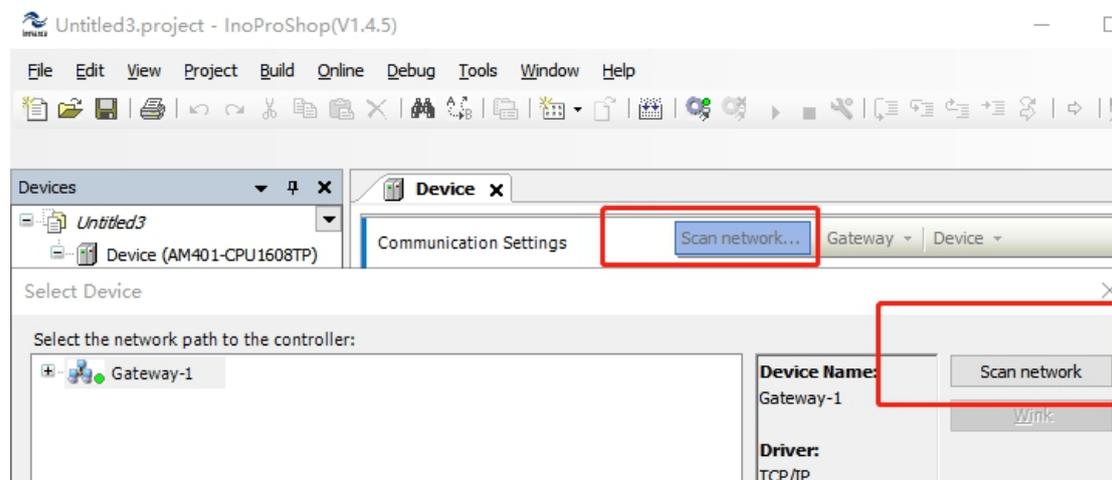
3.2.3 Inovance AM600

For example, M258 PLC's IP is 192.168.0.52, and your computer's local network IP is not the same network segment

KDmanager Settings: Input a LAN IP, to the same network segment as the PLC and this IP is not occupied by other devices

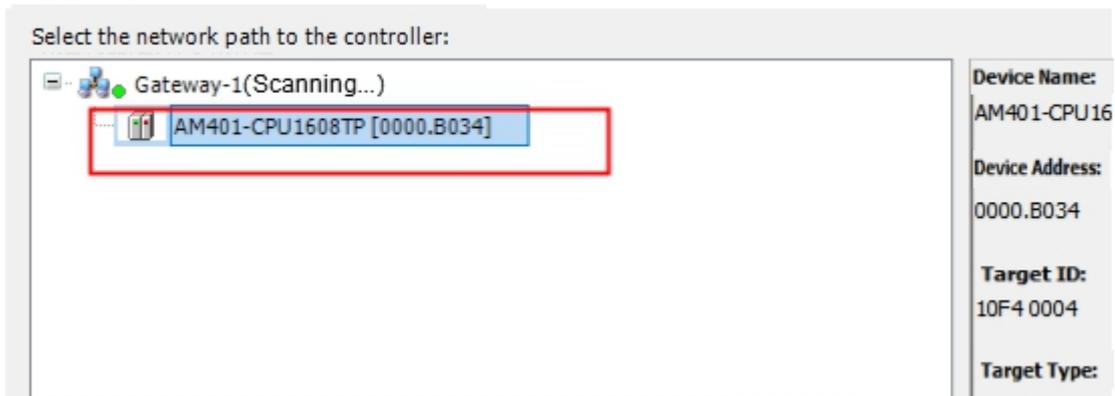


Open PLC software



Scan network

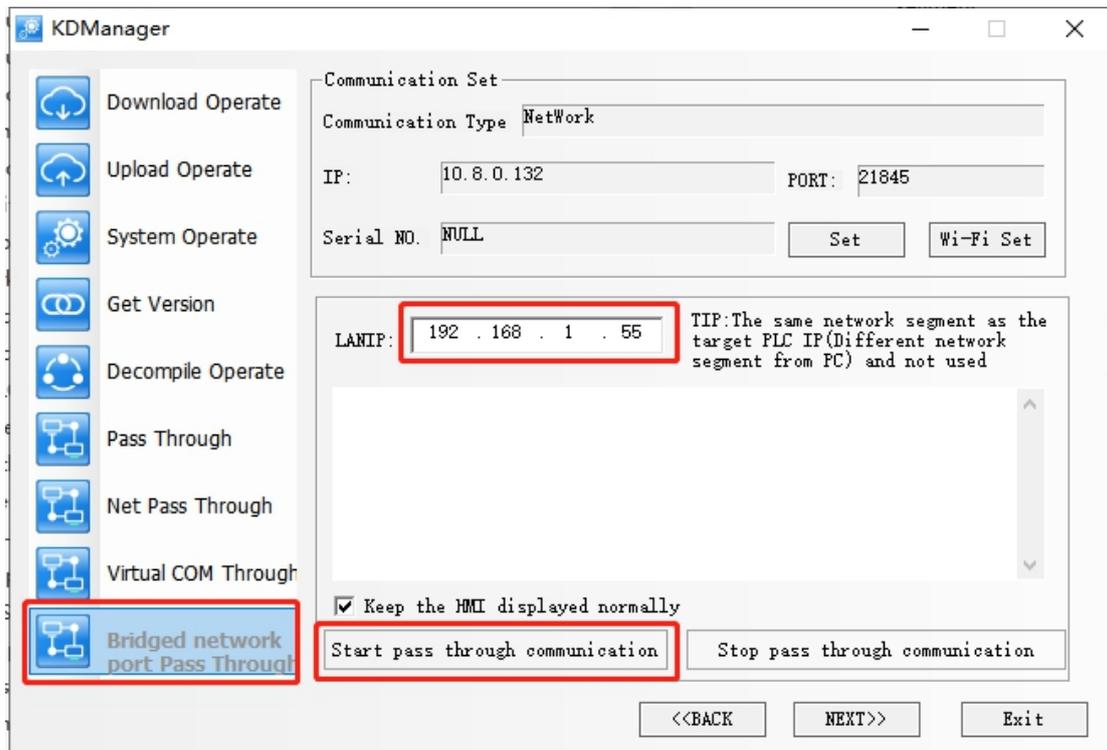
Select Device



3.2.6 Rockwell compactlogix 1769

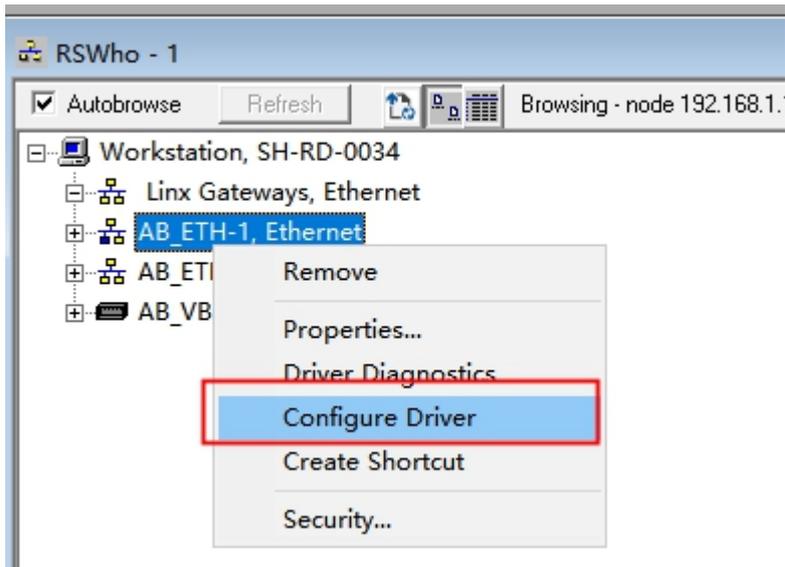
PLC's IP: 192.168.1.10, and make sure your computer's local network IP is not the same network segment

KDmanager Settings:

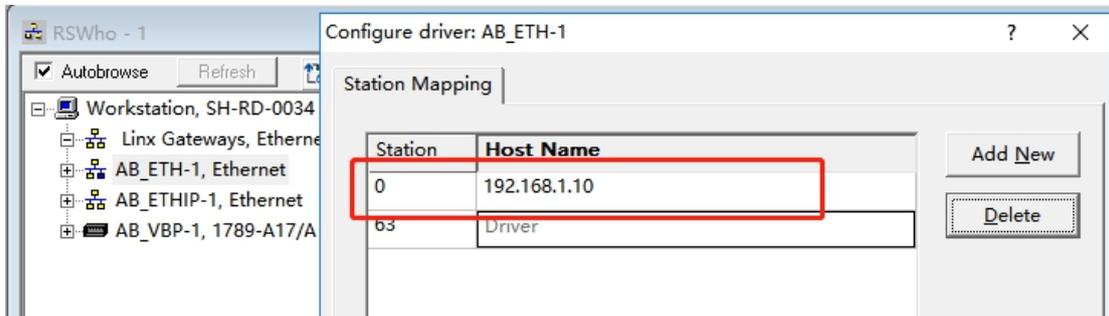


PLC Software settings:

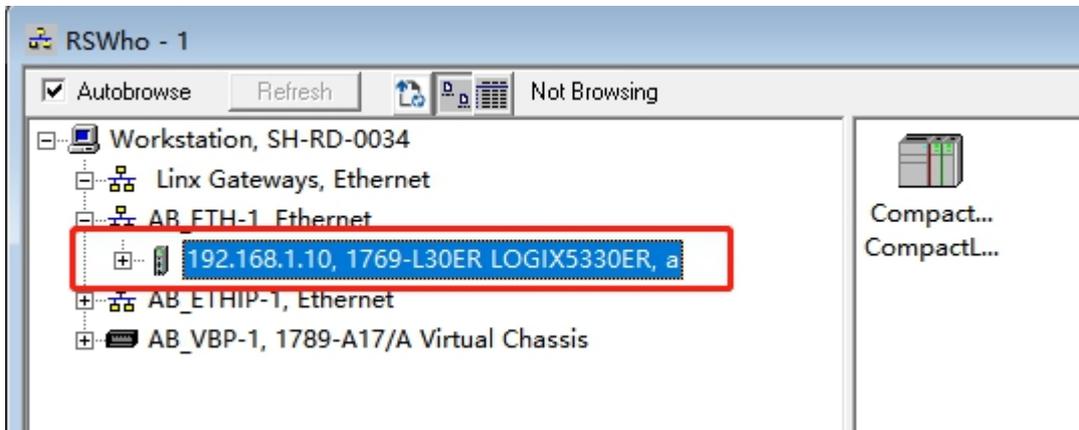
Open RSLinx Classic

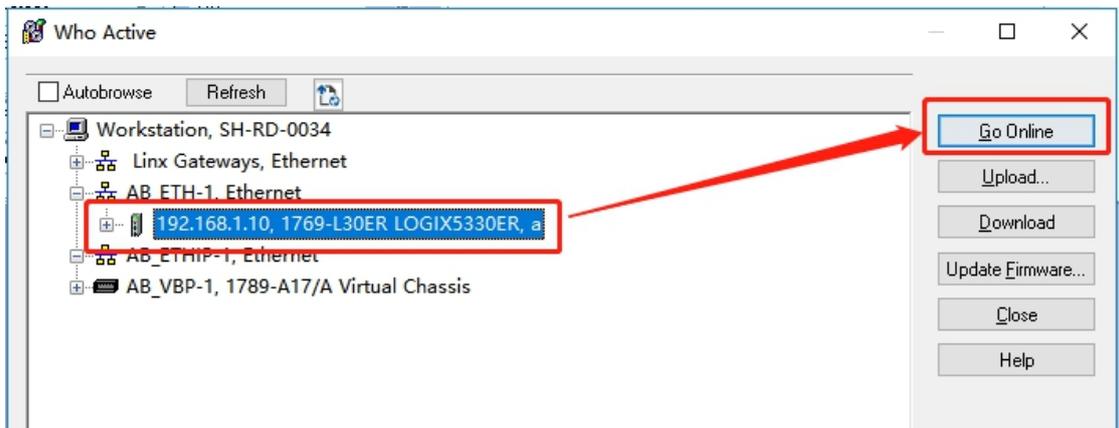
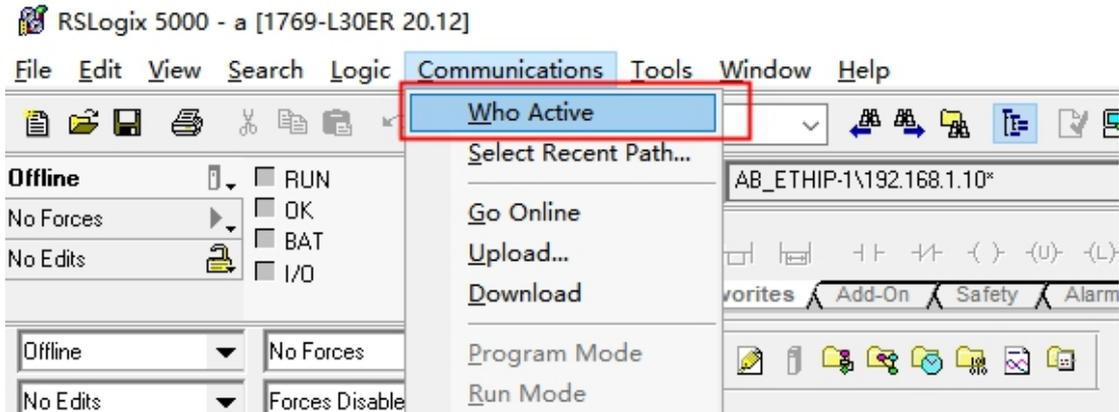


Set PLC 's IP for connection IP



Waiting for seconds to scan this PLC

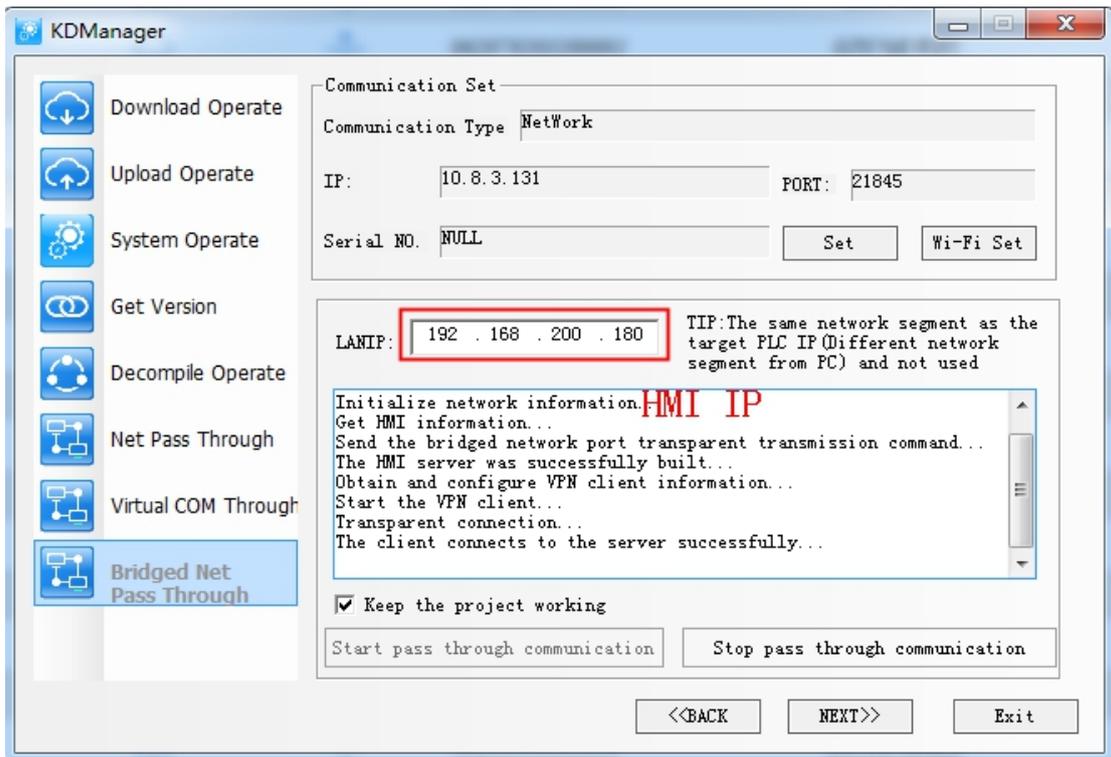




3.2.7 Beckhoff

PLC (CX9020) IP:192.168.200.16, and make sure your computer's local network IP is not the same network segment, LANIP is HMI IP

KDManager Settings:



PLC Settings:

The screenshot shows the TwinCAT System Manager interface with several dialog boxes open. The 'Add Remote Route' dialog is the primary focus, showing the following configuration:

- Secure ADS: (TwinCAT 3.1 >= 4024)
- Remote User Credentials:
 - User: Administrator
 - Password: [masked]
 - TwinCAT 2.x Password Format
- Buttons: OK, Cancel

Below this dialog, the 'Add Route Dialog' is visible, showing the 'Host Name / IP' field set to 192.168.200.16 and a table of discovered routes:

Host Name	Connected	Address	AMS NetId	TwinCAT	OS Version	Fingerprint
CX-2DDF23	x	192.168.200.16	5.22.36.84.1.1	3.1.4024	Win CE (7.0)	AEAF08ABA10B8725D1273F86677

The 'Add Route' button in the 'Add Route Dialog' is highlighted with a red box. Below this, the 'Current Routes' table in the main application window is shown, with the newly added route highlighted:

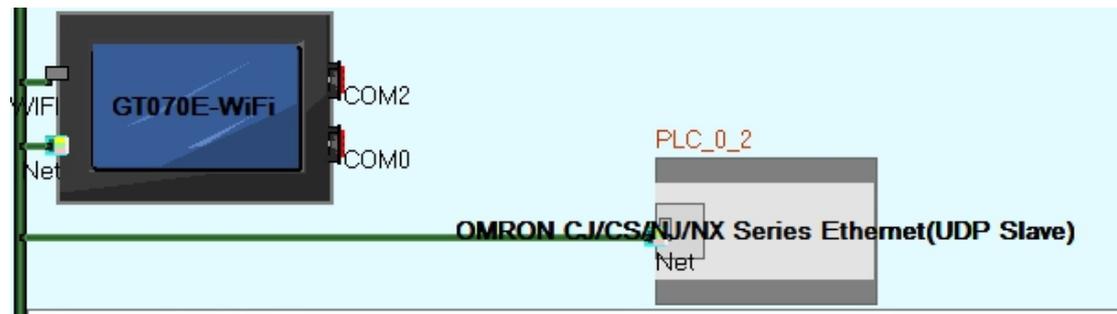
Route	AmsNetId	Address	Type	MaxFragm.
BAC-JACKTU-L	192.168.37.1.1.1	10.42.16.61	TCP_IP	
BACN-RECHARDGAO	10.42.133.49.1.1	169.254.130.20	TCP_IP	
BACN-LUJIEXIA	192.168.59.1.1.1	169.254.67.99	TCP_IP	
BAC-ZHENYUSHI	10.41.32.20.1.1	169.254.139.232	TCP_IP	
BAC-XIAOCHENLUO	10.41.133.52.1.1	169.254.63.159	TCP_IP	
HMIO	192.168.200.180.1.1	192.168.200.180	TCP_IP	
PLC	192.168.200.16.1.1	192.168.200.16	TCP_IP	
SH-RD-0046	192.168.200.120.1.1	192.168.200.120	TCP_IP	

3.2.8 Communicate with PLC by "UDP" protocol

For example, when communicating with a UDP network protocol like Omron, the LAN IP must be filled with the screen's wired network port IP. Otherwise, although the PLC can successfully connect with the PLC software during pass-through transmission, the communication between the screen and the PLC will be disconnected.

- OMRON C Series
- OMRON CJ Series Ethernet(TCP Slave)
- OMRON CJ/CS/NJ/NX Series Ethernet (UDP Slave)
- OMRON CJ/CS/NX Series Host Link
- OMRON CP Series Ethernet (UDP Slave)
- OMRON CP Series Host Link
- OMRON CPM Series Host Link
- OMRON E5CN/E5EZ/E5ZN

For example:HMI IP:192.168.250.100,PLC IP:192.168.250.2



Network Device Setting

Device	IP Addr	Port	Protocol
HMI0	192.168.250.100	9600	OMRON CJ/CS/NJ/NX Series Ethernet UDP
PLC_0_2	192.168.250.2	9600	OMRON CJ/CS/NJ/NX Series Ethernet(UDP Slave)

KDManager

- Download Operate
- Upload Operate
- System Operate
- Get Version
- Decompile Operate
- Net Pass Through
- Virtual COM Through
- Bridged Net Pass Through**

Communication Set

Communication Type: Network

IP: 10.8.0.132 **VPN IP** PORT: 21845

Serial NO. NULL Set Wi-Fi Set

LANIP: 192.168.250.100 **HMI's IP**

TIP: The same network segment as the target PLC IP (Different network segment from PC) and not used

Keep the project working

Start pass through communication Stop pass through communication

<<BACK NEXT>> Exit