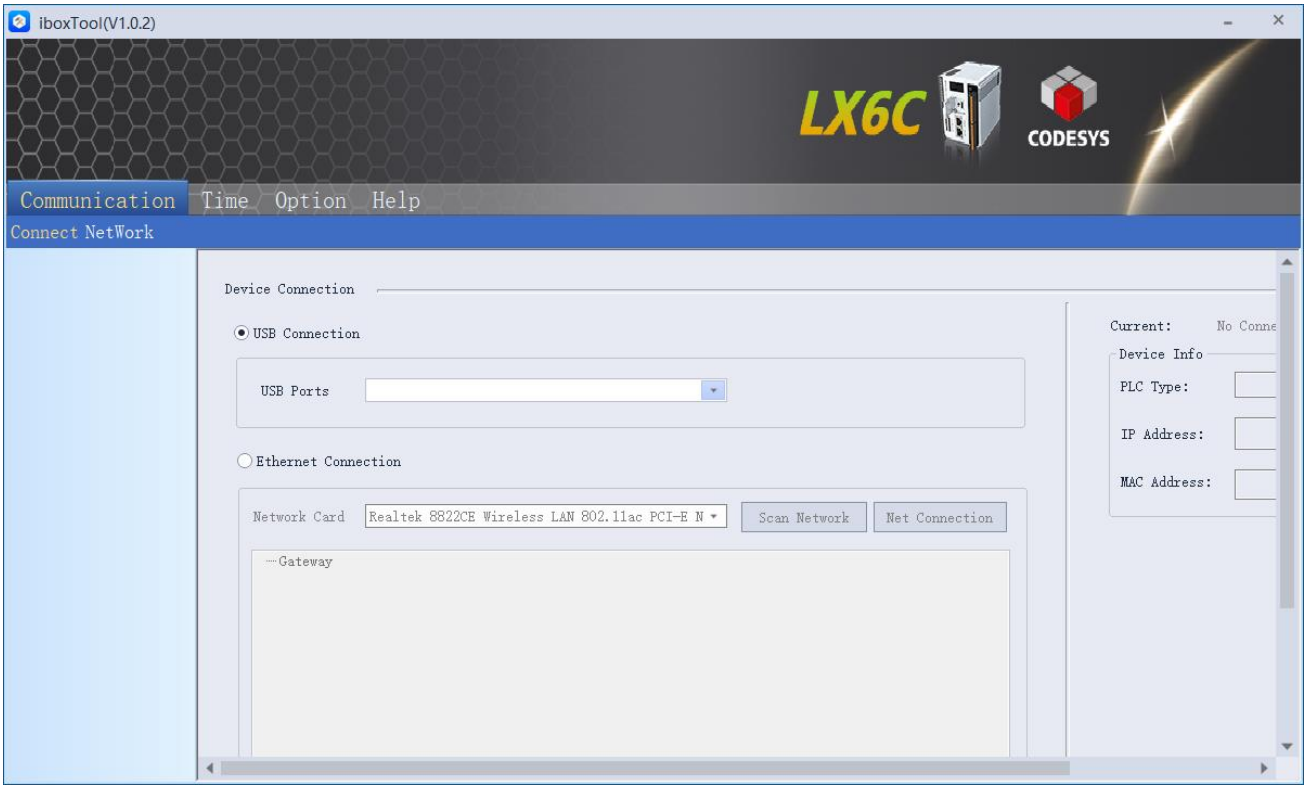
iBoxTool Configuration Tool Instruction

Overview

iBoxTool is a configuration tool of CODESYS, it has three functions: Communication, Time and Options, which are introduced respectively below:



1. Communication configuration

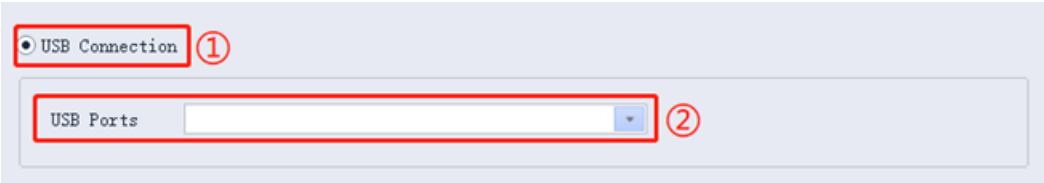
Communication configuration includes two functions: "Device Connection" and "Network Settings". Users can use these two functions to connect to the PLC in the same network segment as the host or use USB cable to connect PLC, and set IP for PLC.

Device Connection: Scan and connect to PLC;

Network Settings: Set IP, network segment and other information of the connected PLC.

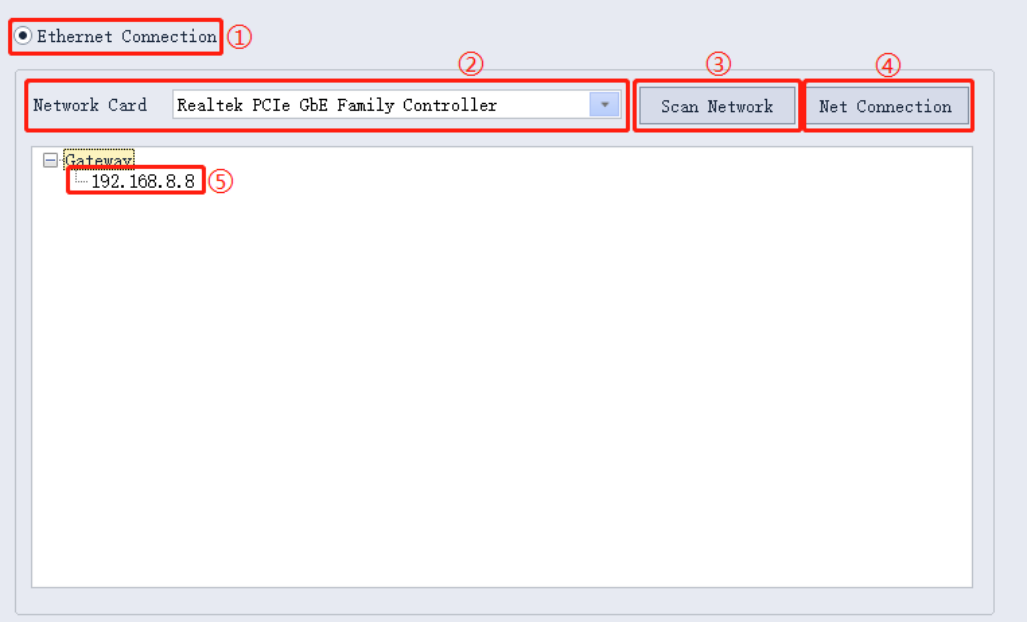
1.1 Device connection

USB Connection:

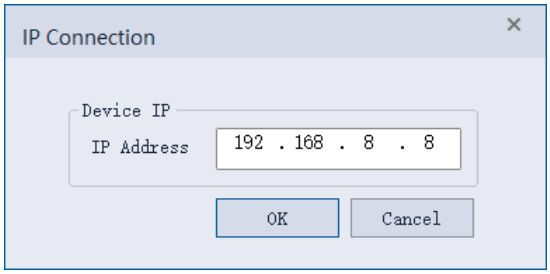


① Click “USB Connection” to activate the USB port interface and initialize the USB port.
② Select the corresponding port to connect to the PLC.

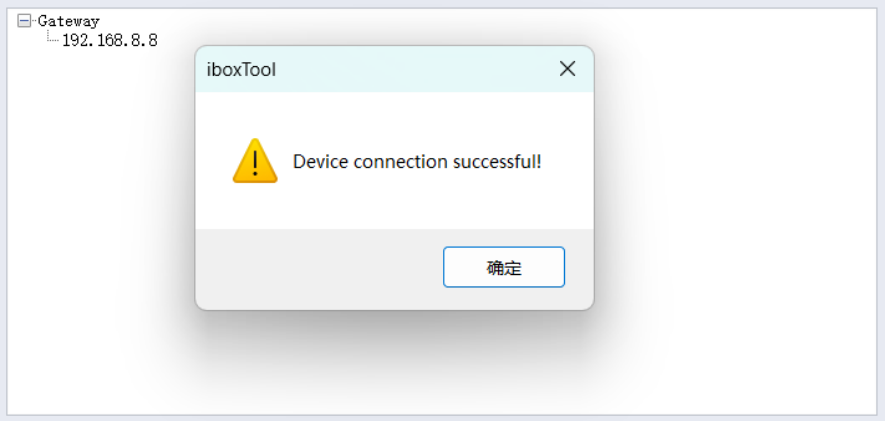
Ethernet Connection:



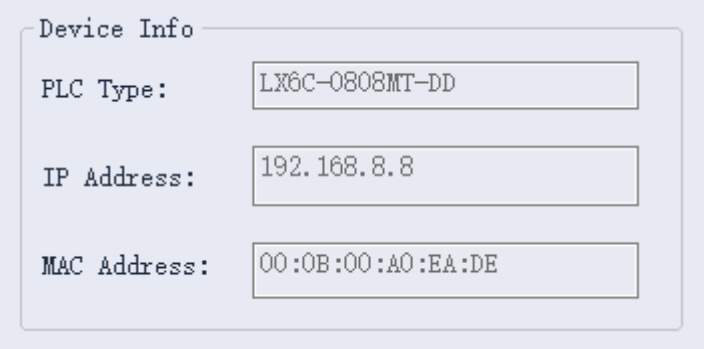
① Click “Ethernet Connection” to activate the Ethernet connection interface, and connect to PLC via Ethernet.
② Select the corresponding network card in the drop-down list.
③ Scan the PLC device in LAN of the host.



Network connect, connect PLC by enter PLC IP address directly. (PLC default IP is 192.168.8.8)
④ Enter the IP to connect PLC directly. (Default IP is 192.168.8.8)
⑤ Display all PLCs in the LAN. Double click the device node to connect to PLC.

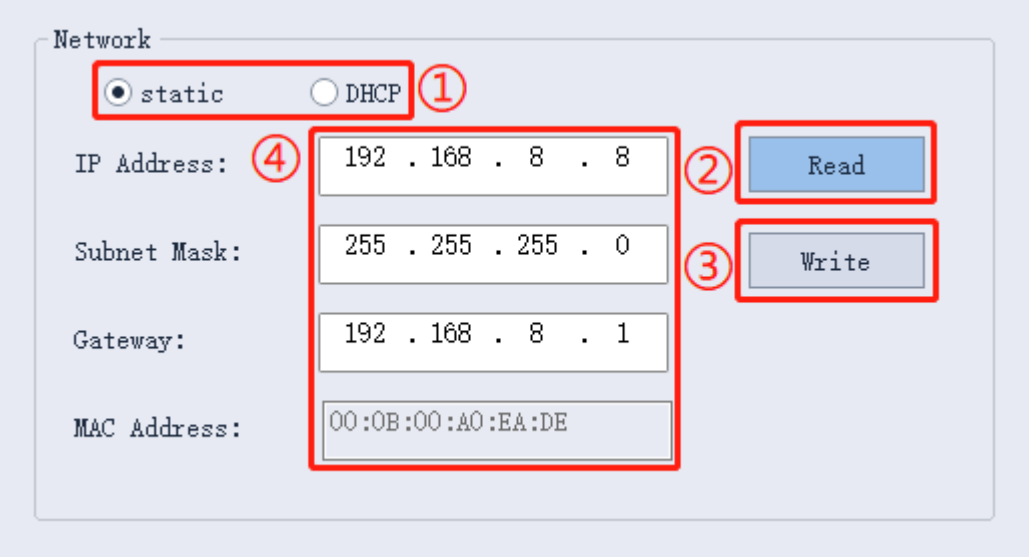


Device Information:



Display PLC type, IP address and MAC address of connected PLC.

1.2 Network Settings

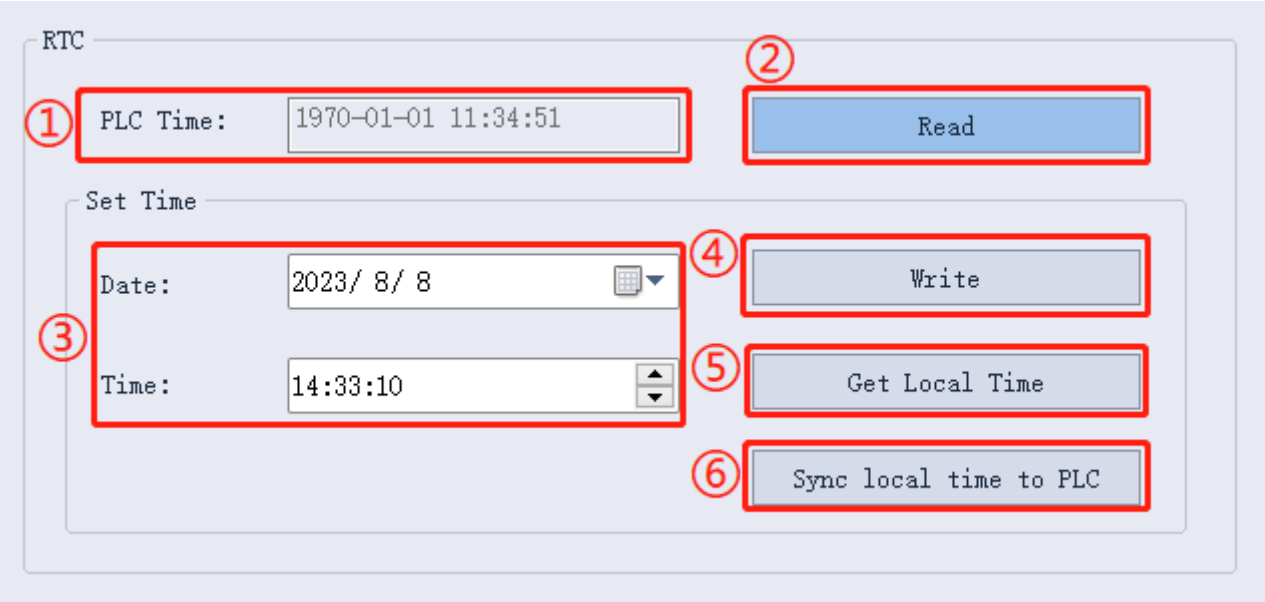


① Network status. Select the static option to edit PLC IP, DHCP don't support IP writing.
② Click to read the IP address, subnet mask and gateway address of the connected PLC.
③ Click to write the IP address, subnet mask and gateway address to the connected device.
④ Network editing area.

2. Time

The time interface is used to write or read PLC time

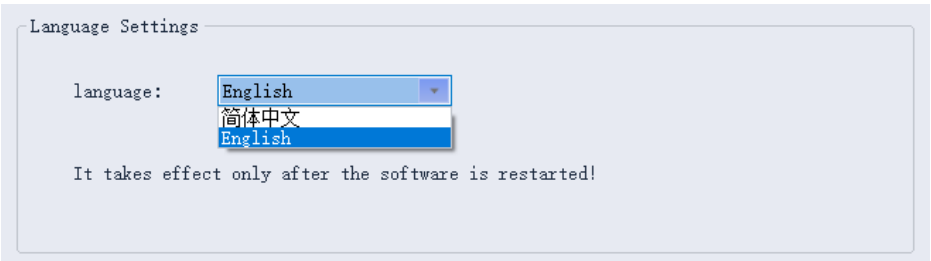
RTC configuration:



① Display the read time from PLC.
② Click to read time from PLC.
③ User can set the date and time to be written to the PLC in this interface.
④ Click to write date and time to PLC.
⑤ Obtain the local time and update it to “Set Time” interface.
⑥ Synchronize the local time to the PLC.

3. Option

Used for language selection, users can use this function to switch between Chinese and English of the tool.



[Note]: Language setting will take effect after the tool restarted.

4. Remarks

Except that the language setting in the [Options] interface, other functions need to connect PLC first, otherwise the operation will fail.