# Ethernet Pass-Through Communication

MT8000 provides Ethernet pass-through communication which allows PC to link to the PLC through the HMI. In this situation, the role of HMI is similar to a converter.
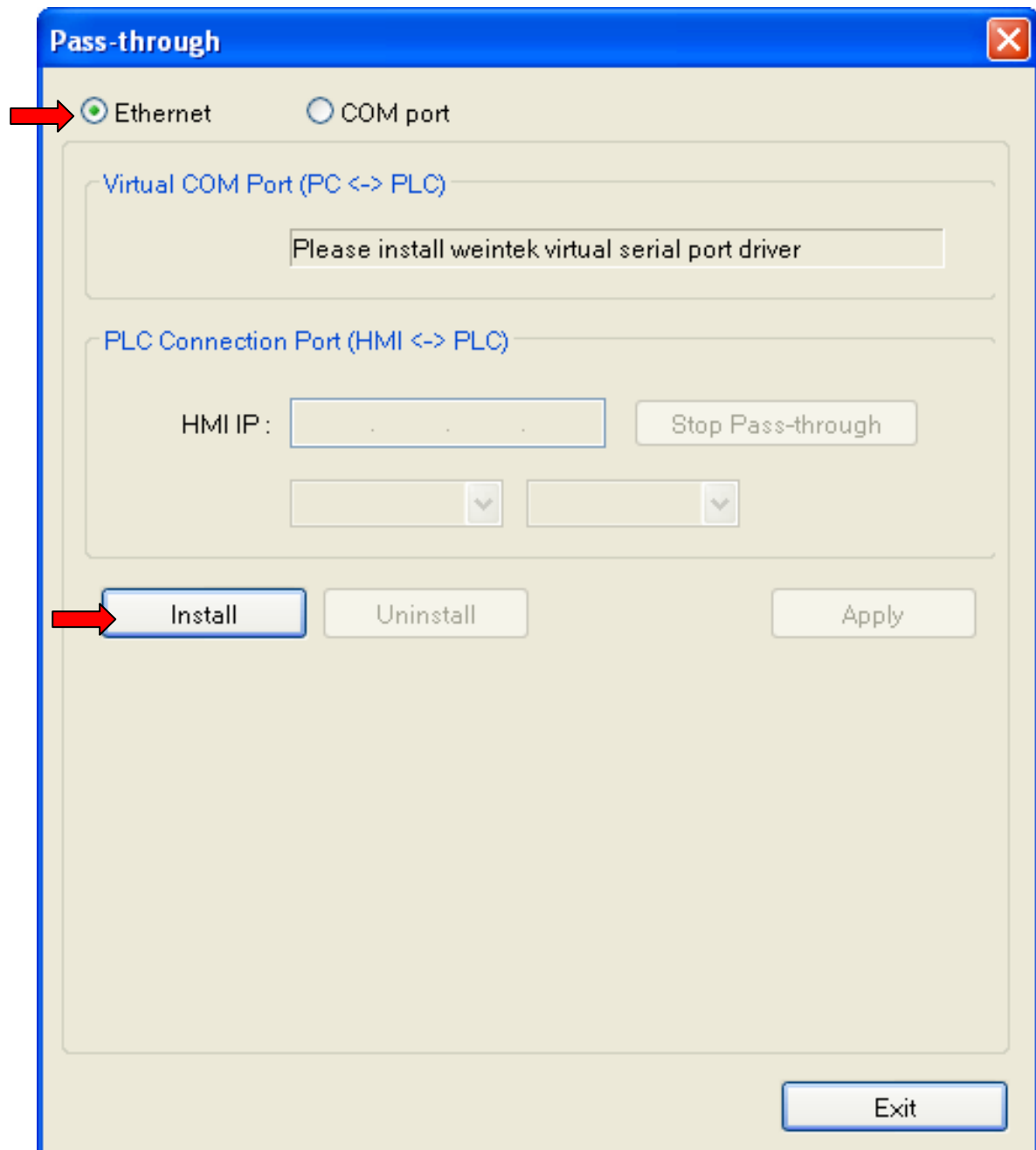

First, a virtual serial port must be created on PC. The application program on PC can communicate with PLC through this virtual serial port.
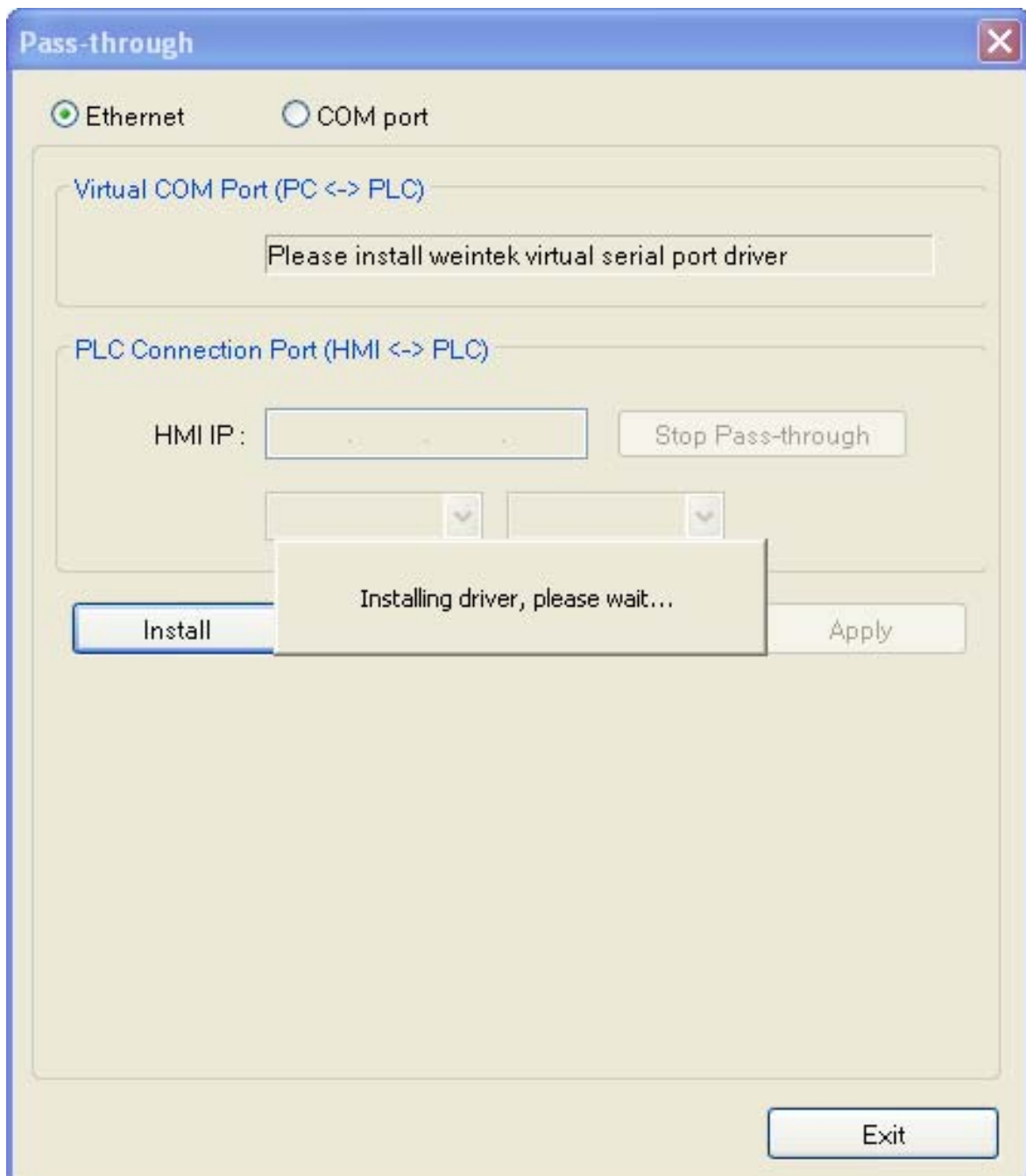
Instructions are as follows:

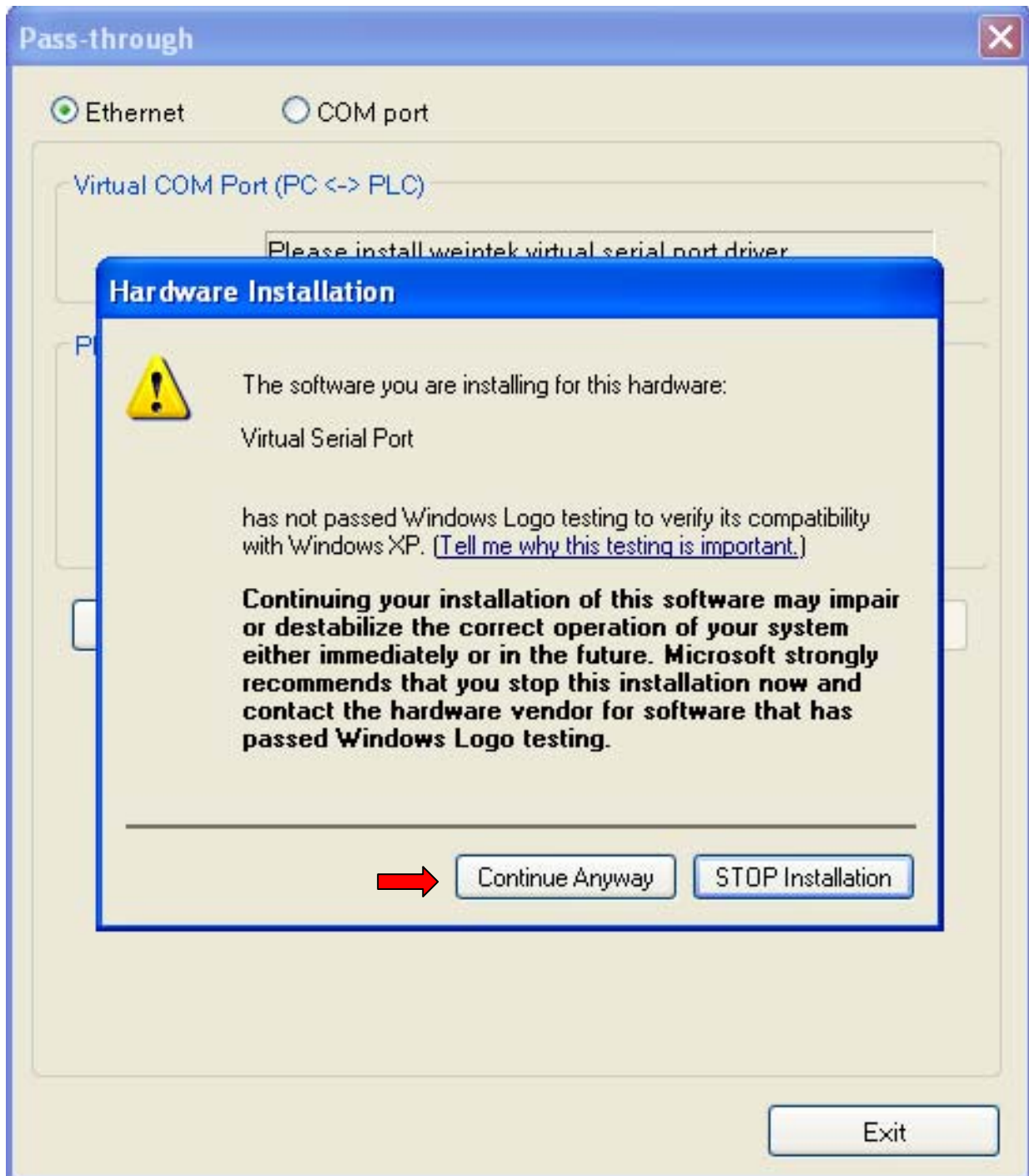1. Open Project Manager and click the [Pass-through] button ;
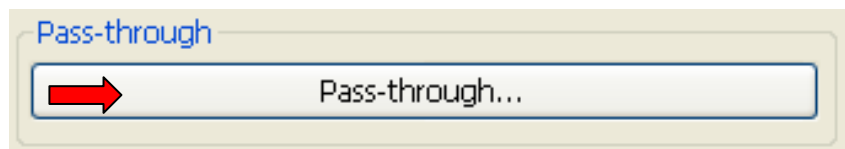
2. Check the [Ethernet] radio box, and click [Install] button to install the virtual serial

    port driver ;

3. Installing driver ...

Pass-through

⊙ Ethernet   ○ COM port

Virtual COM Port (PC <-> PLC)

Please install weintek virtual serial port driver

PLC Connection Port (HMI <-> PLC)

HMI IP : [_____]   Stop Pass-through

Install   Installing driver, please wait...   Apply

Exit

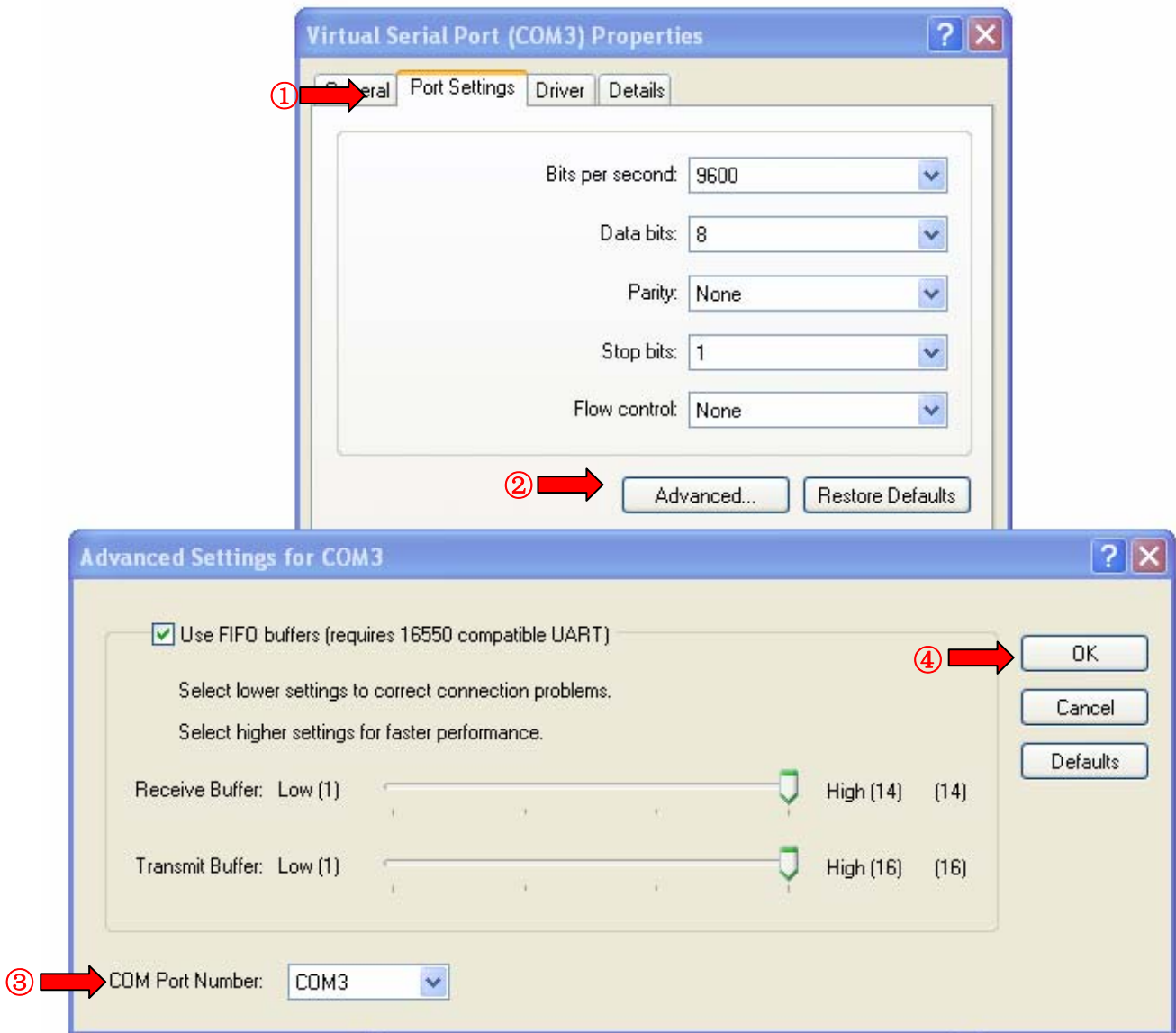4. Click [Continue Anyway]

5. Virtural seriel port installation completed. A new virtual COM port number is found ;

6. Check out the [Computer Management] to see if the virtual COM port is successfully installed.

WE!NTEK
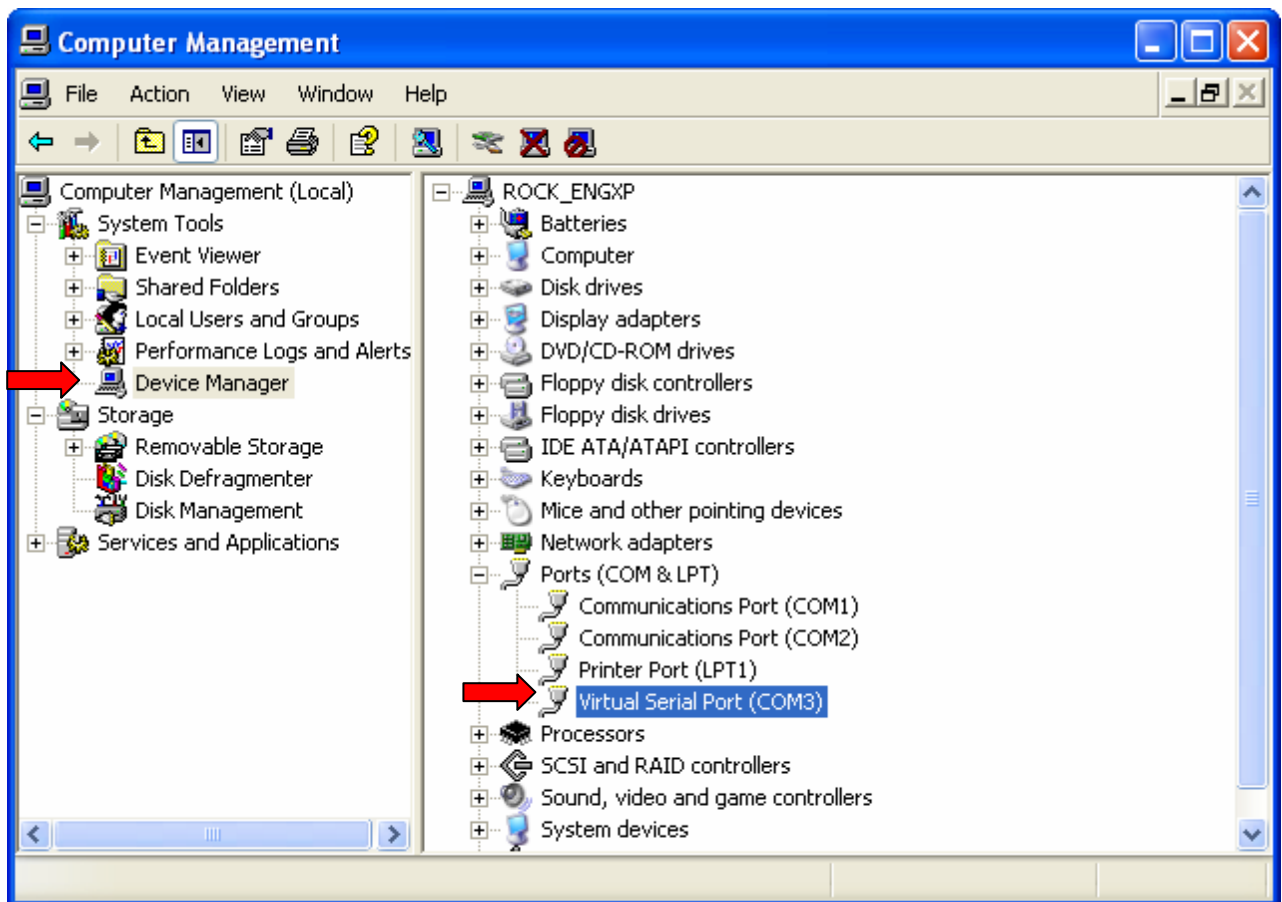
7.   Select the [Virtual Serial Port] and click right key . Select [Properties] to change

COM port number ;

8. Take communication between Fatek PLC and MT8000 for example, if the MT8000 HMI IP address is 192.168.1.200, the PLC parameter settings are as follows :

9. In the [Pass-through] window, setup the HMI IP address : 192.168.1.200 ; Set the COM port number to COM1, which is the communication port number between MT8000 and the PLC ; The COM port type is RS232, which is the communication port type between MT8000 and the PLC ; These settings are according to the window shown above ; Click [Apply] button.
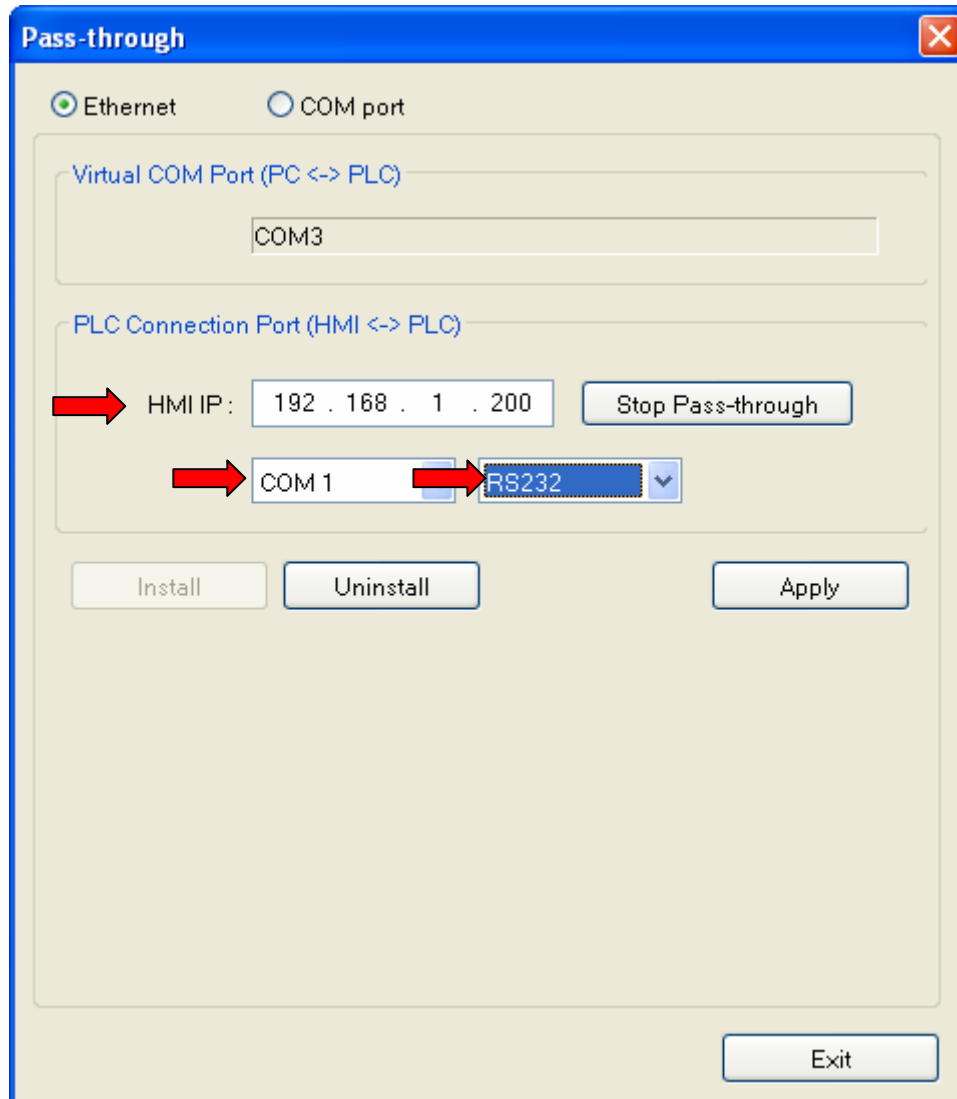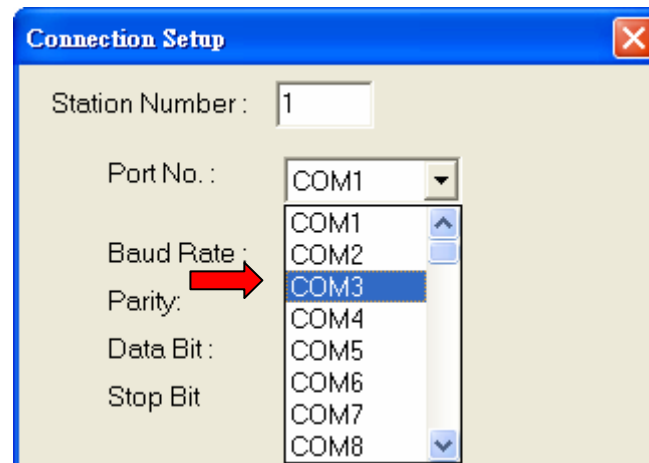
10. Open the Fatek PLC software : WinProladder ; Select [On-Line] under PLC menu ;
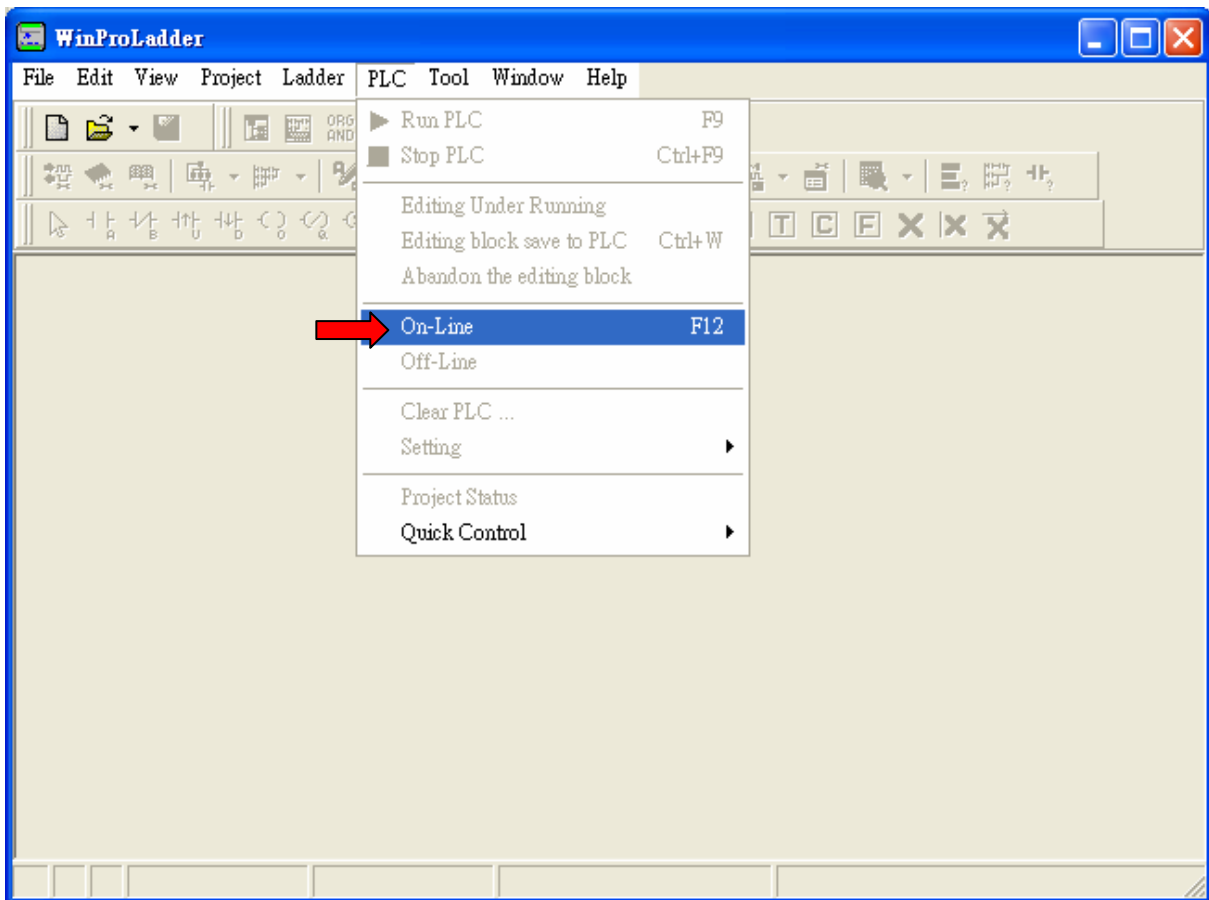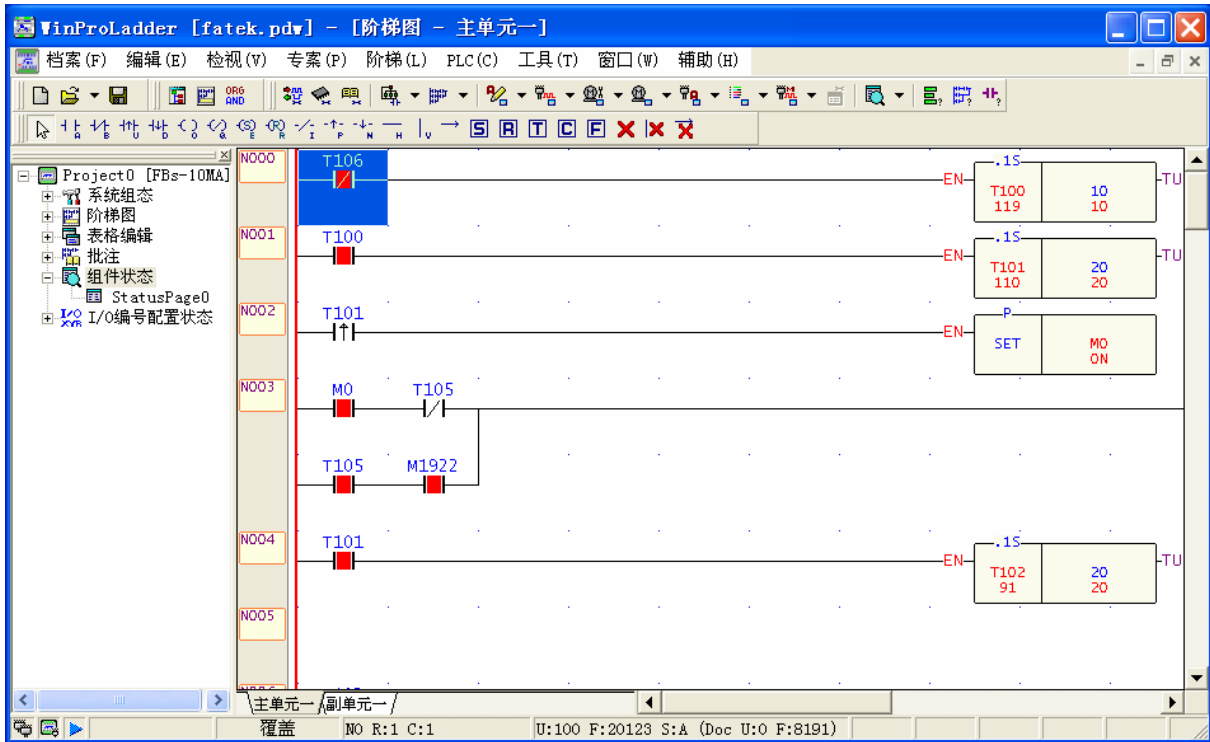
11. Set the COM port ;
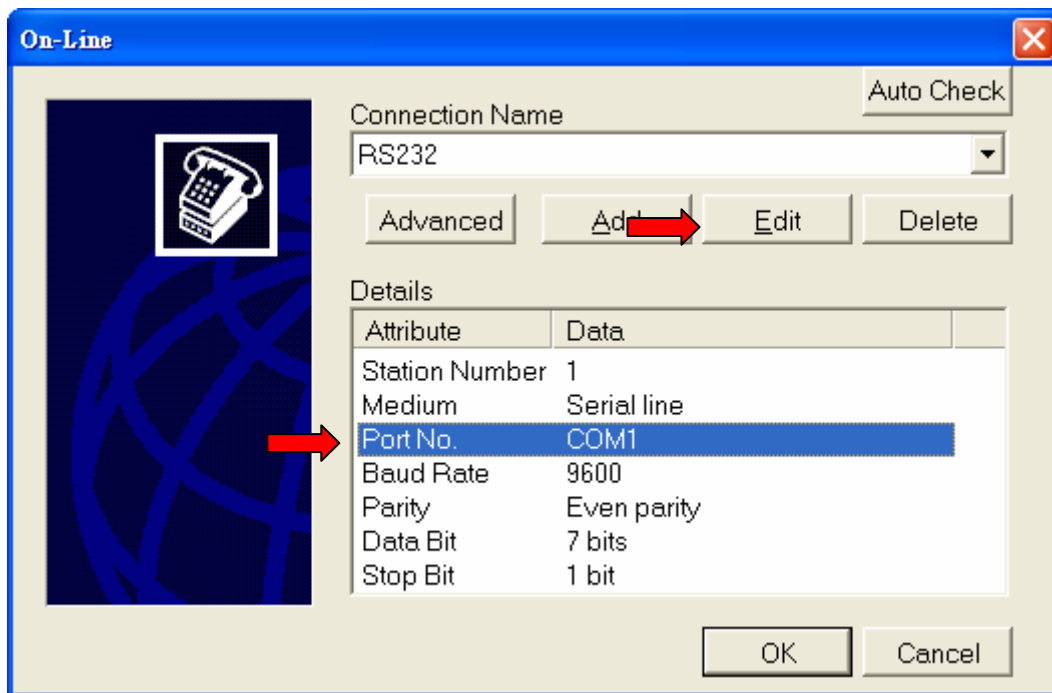
12. Set the COM port number to COM3, which is the Virtual Serial Port number that

you get in step 5 ;

13. Connection succeeded ;

14. PC－HMI－PLC connection example；