Configure ADAM-6100EI Module in CX-One

Product:

ADAM-6100EI Series

Abstract:

Introduction of ADAM-6100EI Series connection to OMRON PLC

Description:

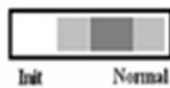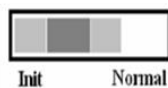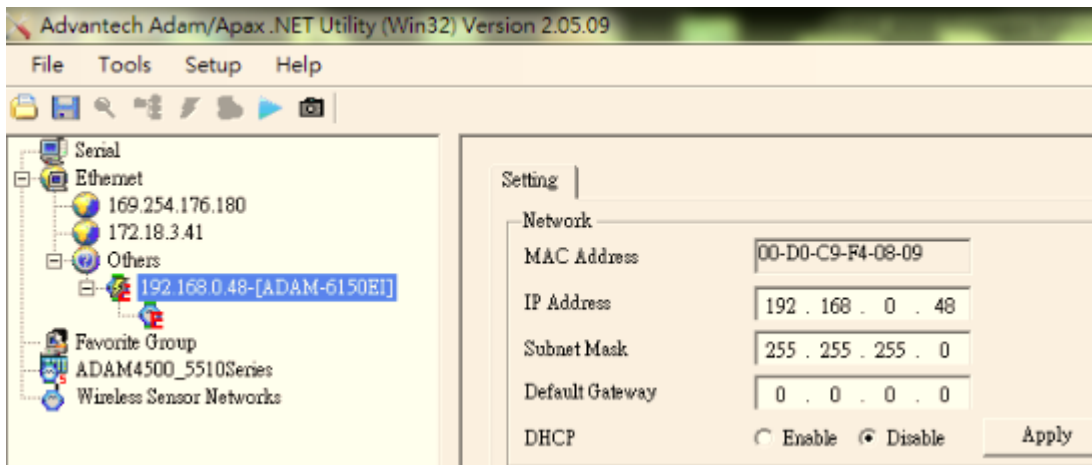In this document, we will demonstrate how to connect ADAM-6100EI module to OMRON PLC by CX-One

Contents

Configure ADAM-6100EI by *AdamApax.NET* Utility

1. Turn the ADAM-6100 EI to Initial Mode

2. Use *AdamApax.NET Utility* to configure the IP of ADAM-6100-EI➔ turn to Normal Mode➔Re-plug the power
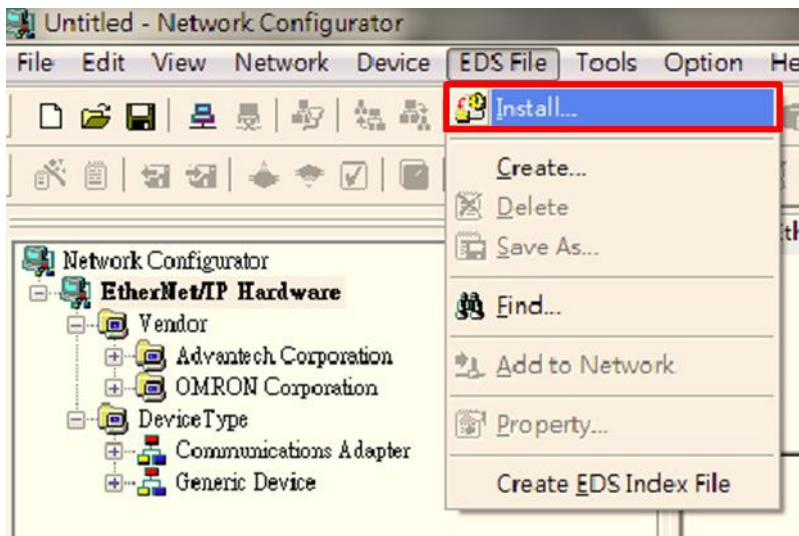

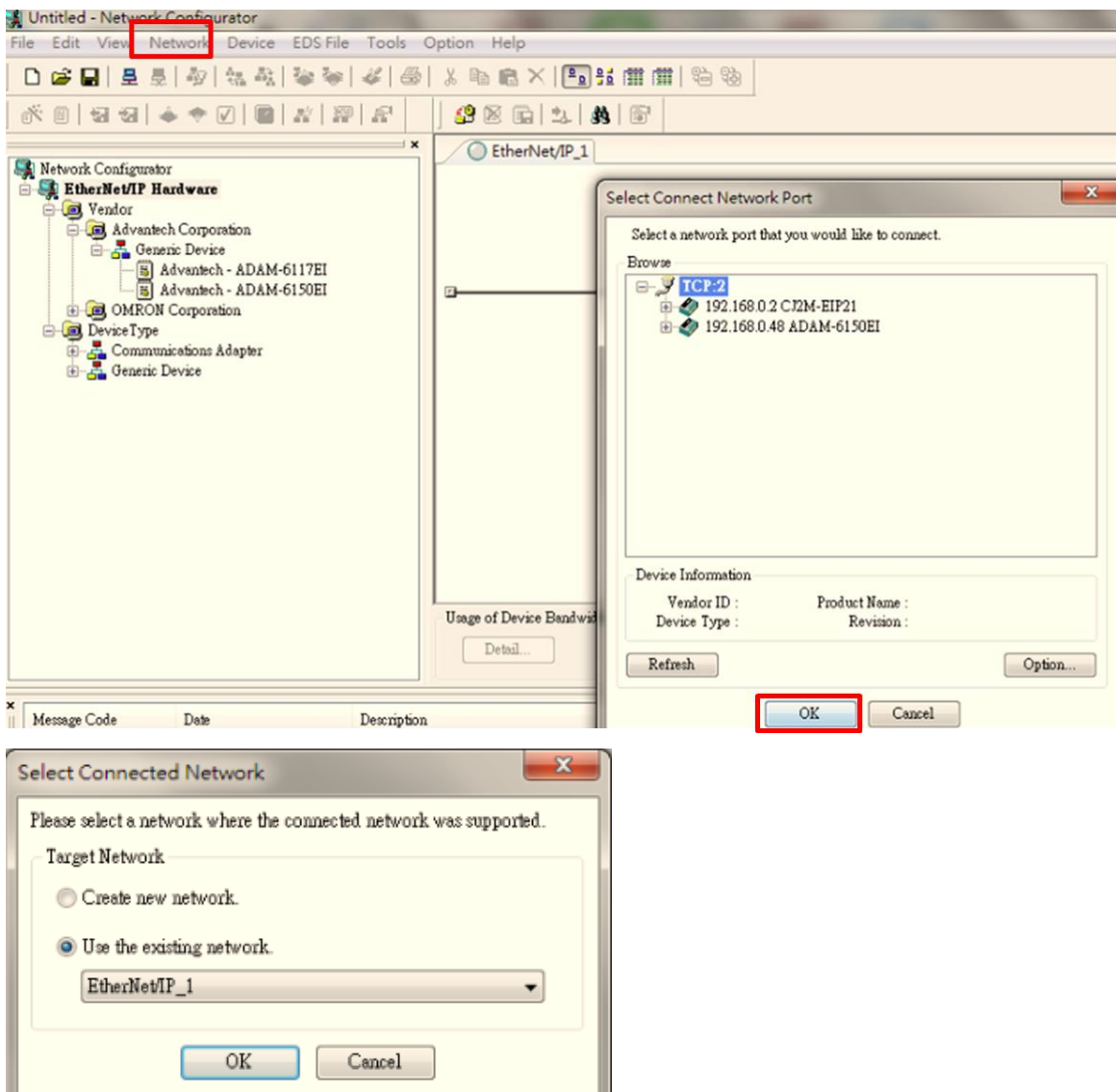## *Network Configurator* to Setup Network

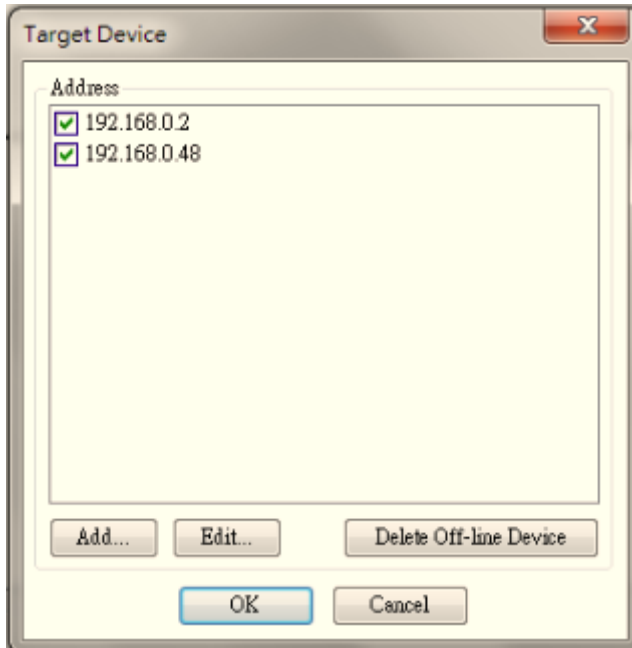1. Execute the *Network Configurator* from start menu

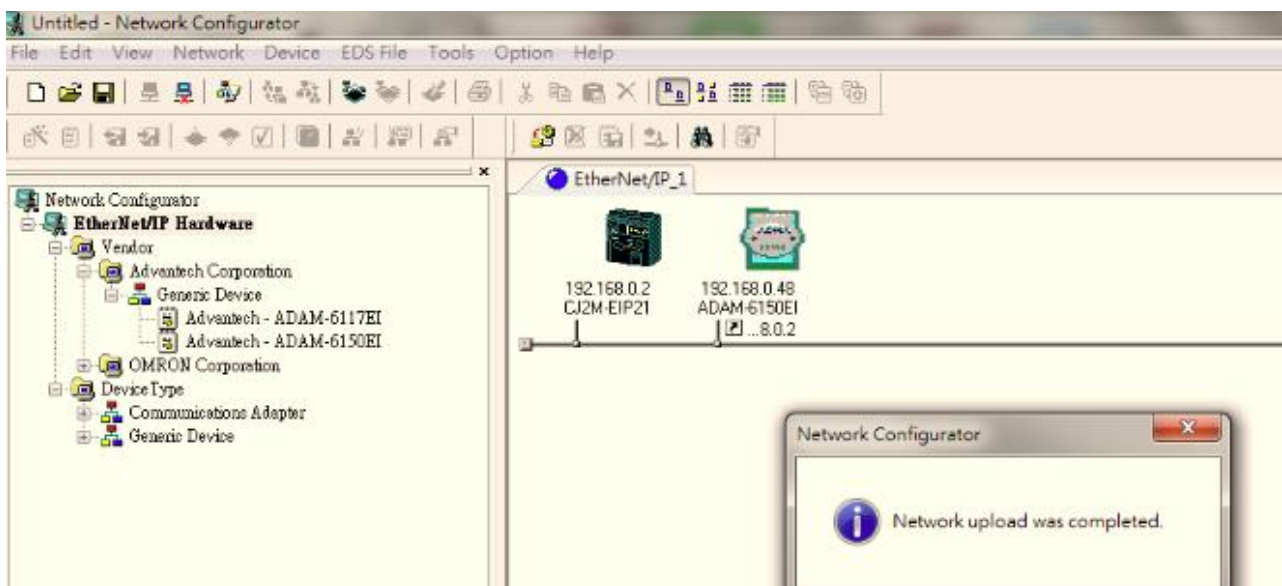2. Click **EDS file**→Click **Install** to install the EDS file and icon

3. Click **Network**→Click **Connect**, and then Omron PLC and ADAM-6150EI are found in the Netowrk→Click **OK**→select the existing Network EtherNet/IP_1

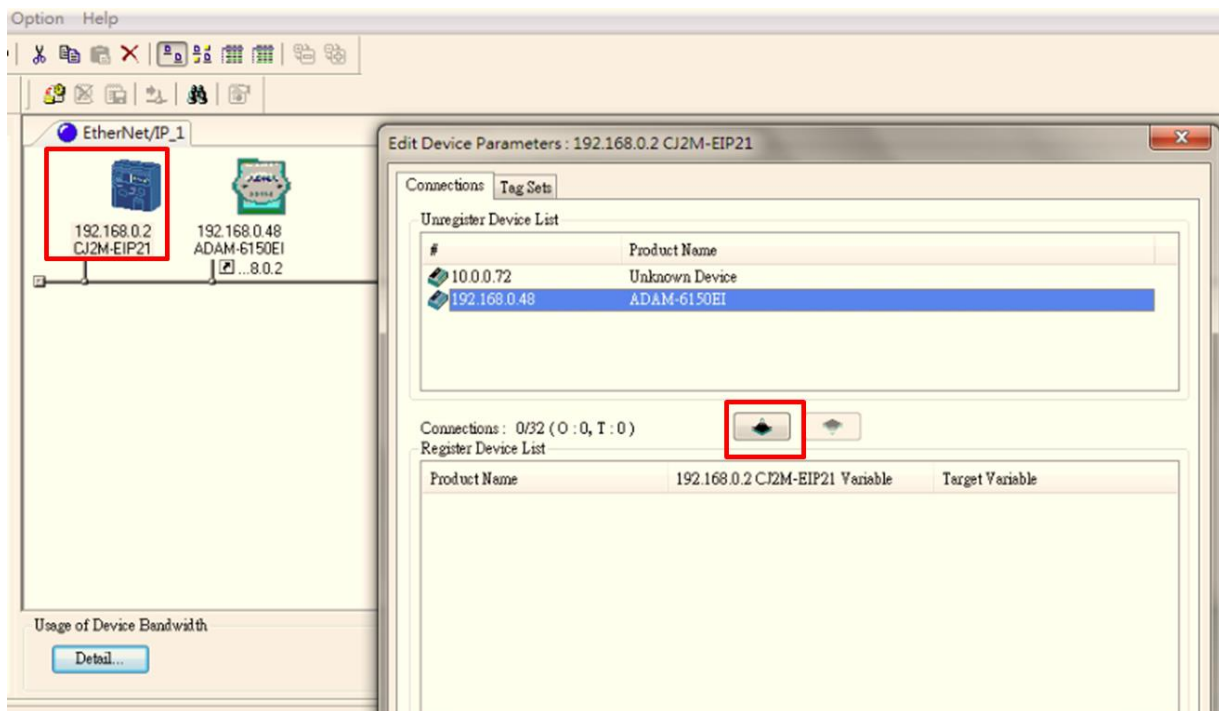4. Click **Network**→**Upload**→Select Target Devices→Click **OK**

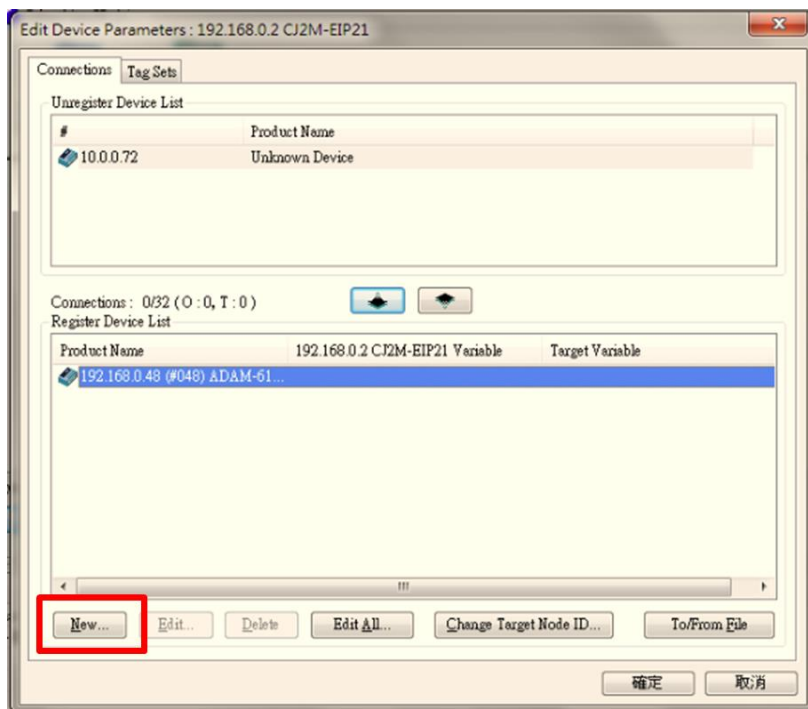5. OMRON PLC and ADAM-6100EI are shown on the Network

6. Double click the OMRON PLC item to configure the device➔select the ADAM-6100EI

   device➔click [button icon] button

7. Select device➔click **New**

8. Configure the variable of the PLC inputs for ADAM-6100EI

   Address 5000, Size: 2 Byte for DI

   Address 5100, Size: 2 Byte for DO

   →click **Regist**

9.   Click **Network→ Download**
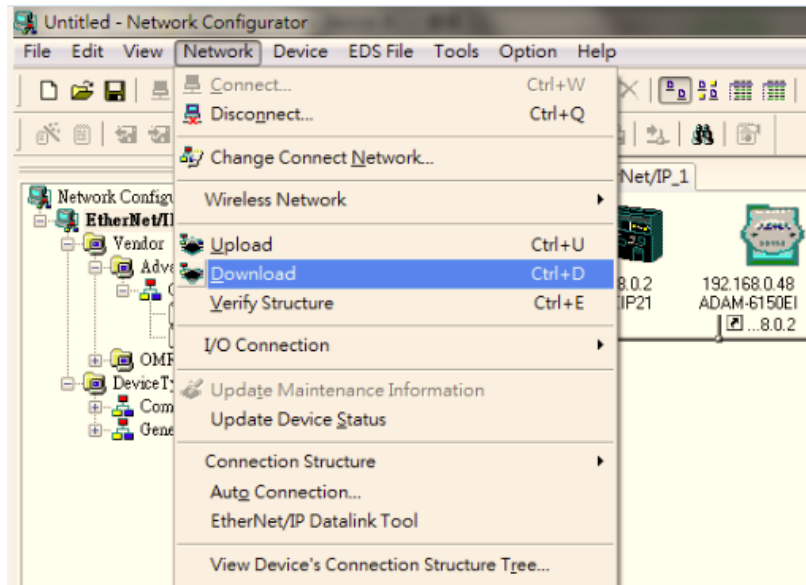
10.   Network setup is completed
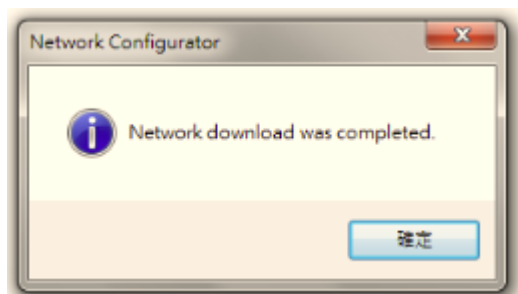
CX-programmer to Test the Configuration

1. Open *CX-programmer*→click **New** button→ click **setting** to choose the CPU type of PLC

2. Click **View**→**Windows**→Click **Watch** to open the Watch Window

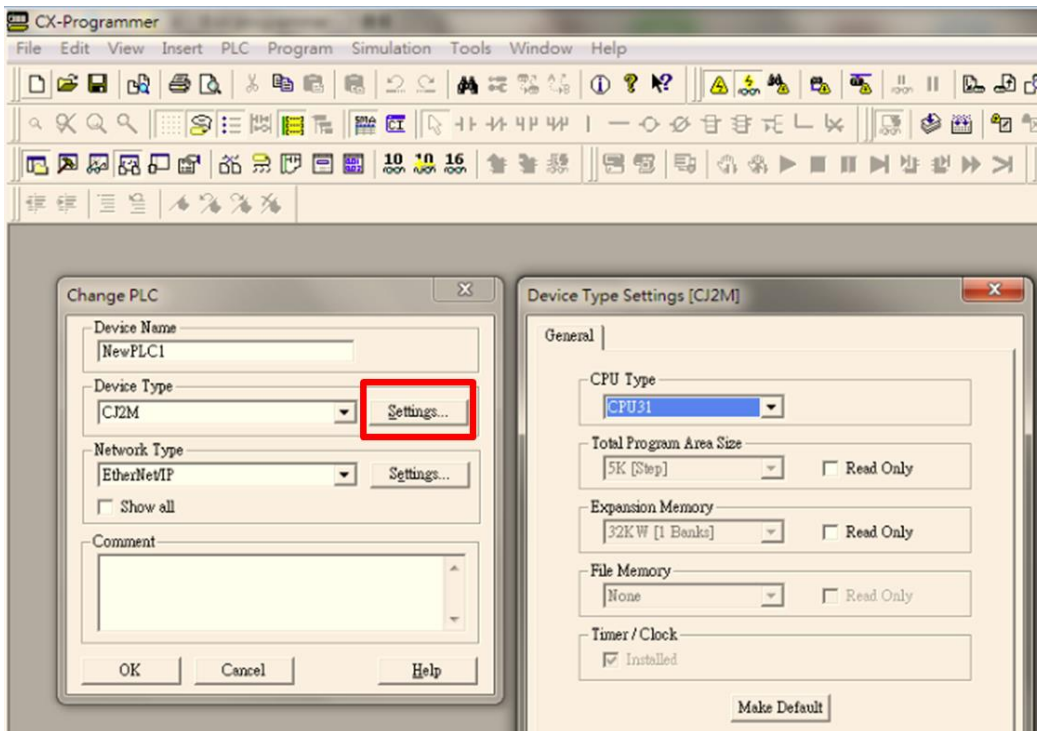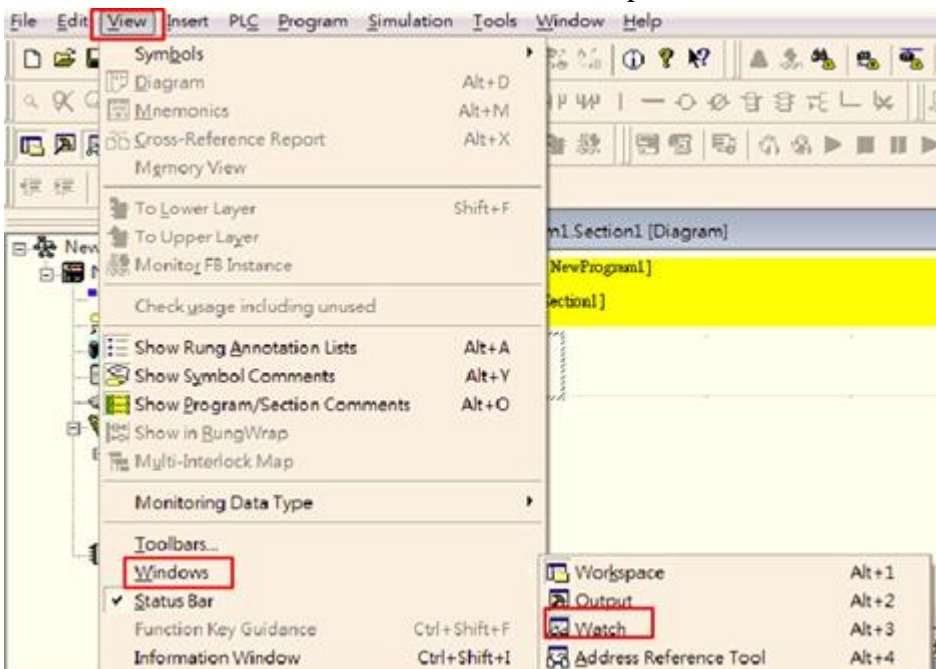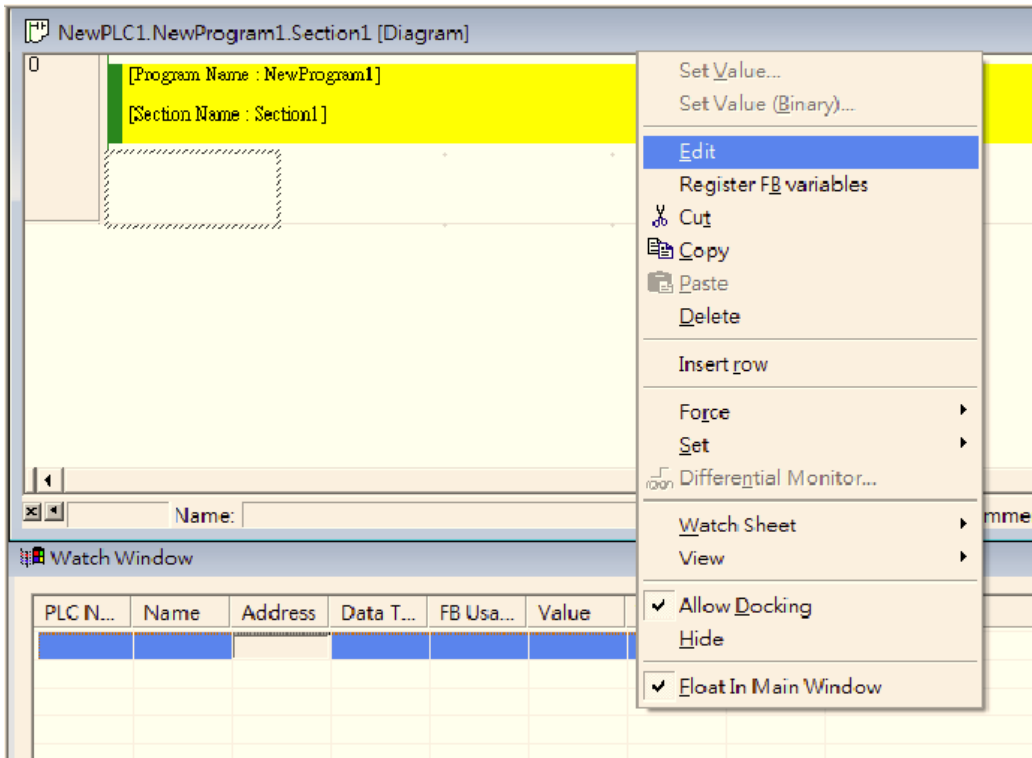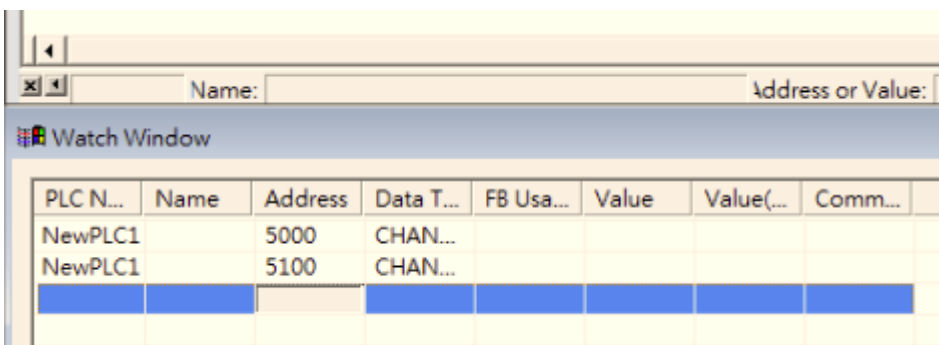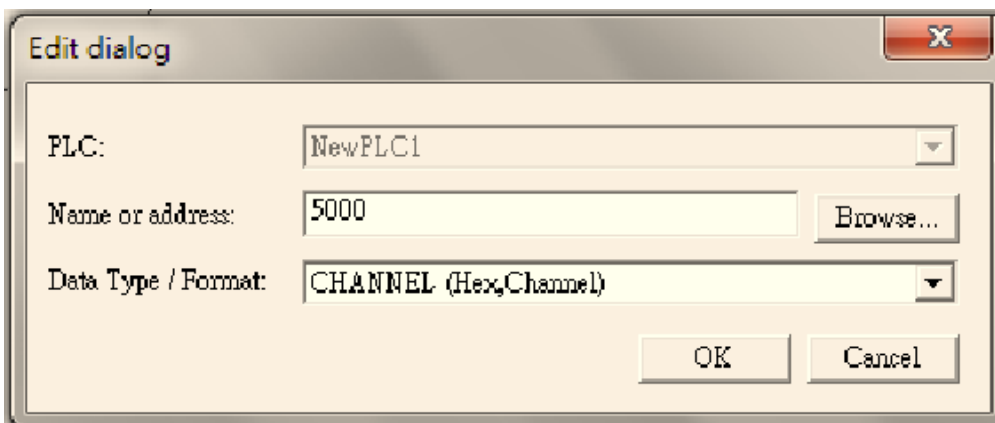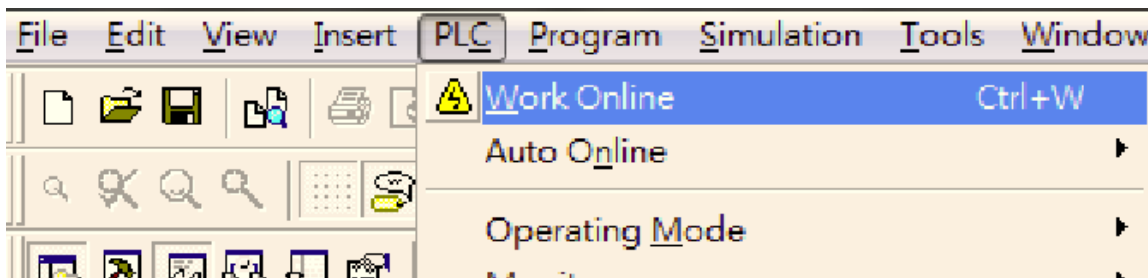3. Right click on watch window➔click **Edit**

4. Enter 5000 (PLC address of the inputs) in the Name or address column
   Enter 5100 (PLC address of the outputs) in the Name or address column
   The variables are listed in Watch Window

5.   Click **PLC→ Work online**

File	Edit	View	Insert	PLC	Program	Simulation	Tools	Window

⚠	Work Online	Ctrl+W
	Auto O<u>n</u>line	▶
	Operating <u>M</u>ode	▶

6.   Bit values will display status of ADAM-6100EI series in watch window

Watch Window

PLC N...	Name	Address	Data T...	FB Usa...	Value	Value(Binary)	Comm...
NewPLC1		5000	CHAN...		0004 Hex	0000 0000 0000 0100	
NewPLC1		5100	CHAN...		0001 Hex	0000 0000 0000 0001	