

## Configure ADAM-6100EI Module in RSLogix 5000

### Product:

ADAM-6100EI Series

### Abstract:

Introduction of ADAM-6100EI Series connected to AB PLC

### Description:

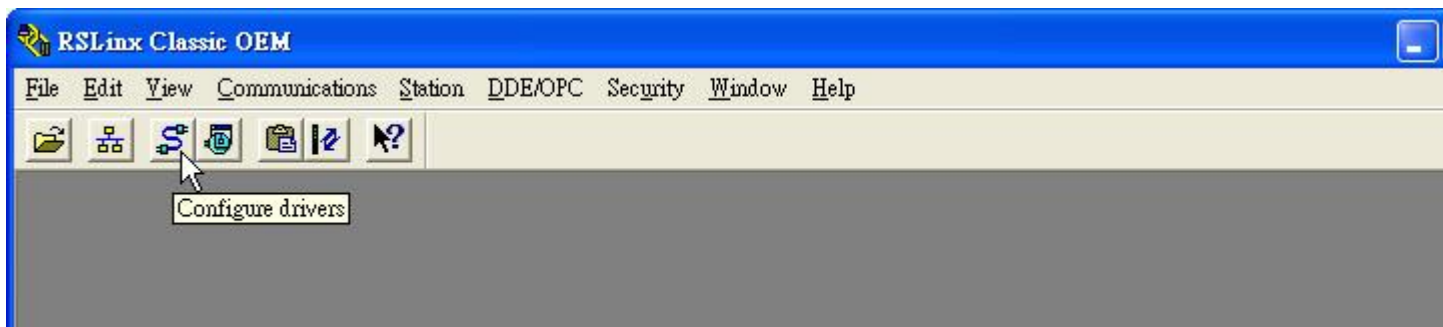
In this document, we will demonstrate how to connect ADAM-6100EI module to AB PLC using RSLogix by manual method and utility method

### Contents

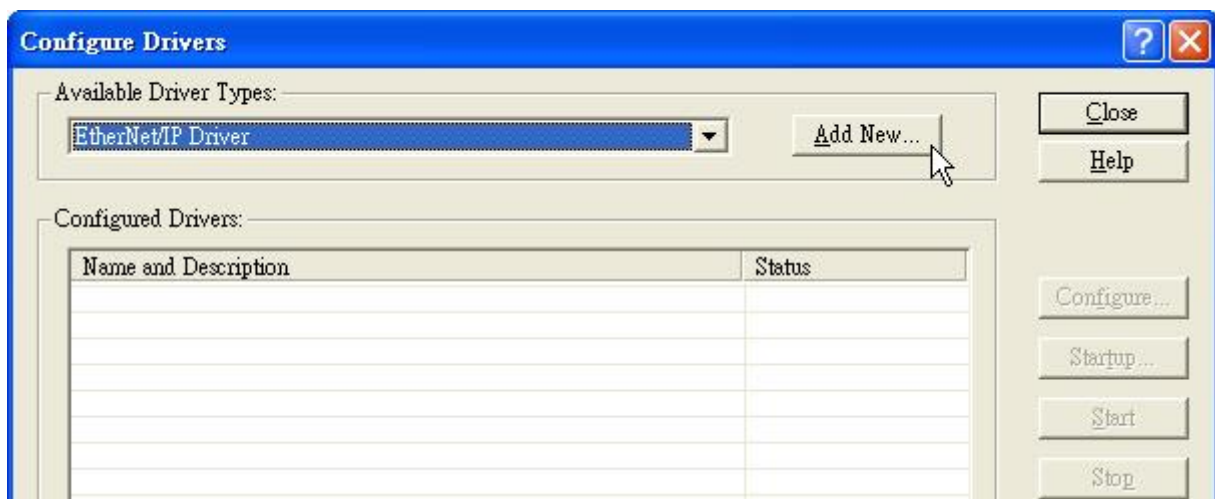
- Use RSLinx to Configure Driver
- Add Controller and ADAM-6100EI Module in RSLogix
- Add ADAM-6100EI Module by Utility

### Use RSLinx to Configure Driver

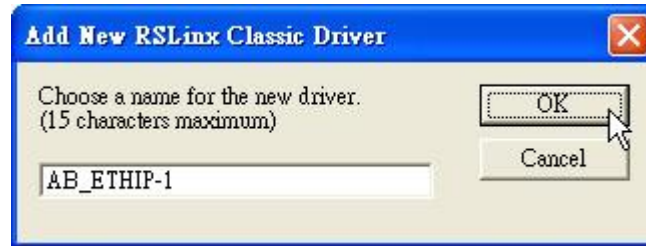
1. Open RSLinx and click [Configure drivers] button



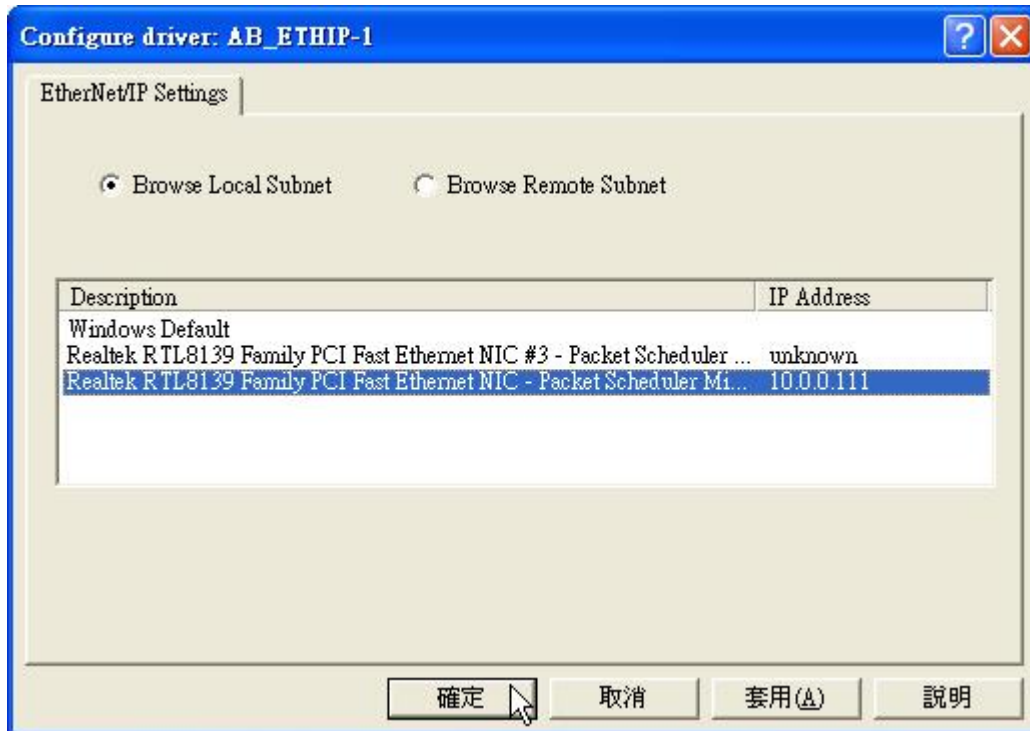
2. Select [Available Driver Types: EtherNet/IP Driver] and click [Add New...]



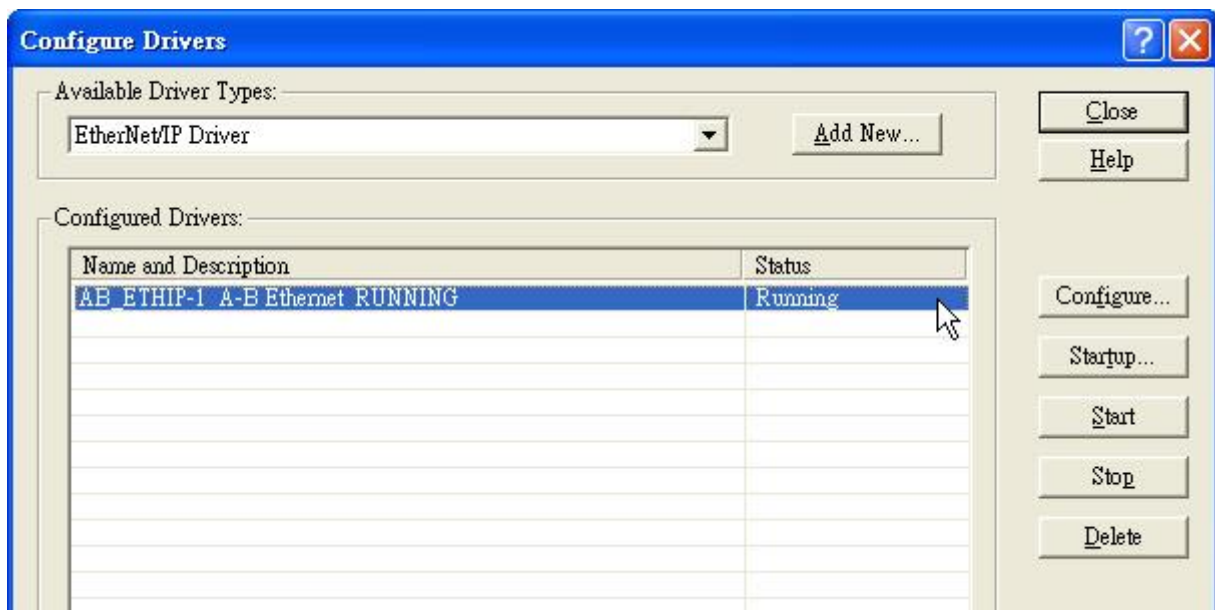
- Assign a name and click [OK]



- Choose the network card that connected to PLC and click [OK]

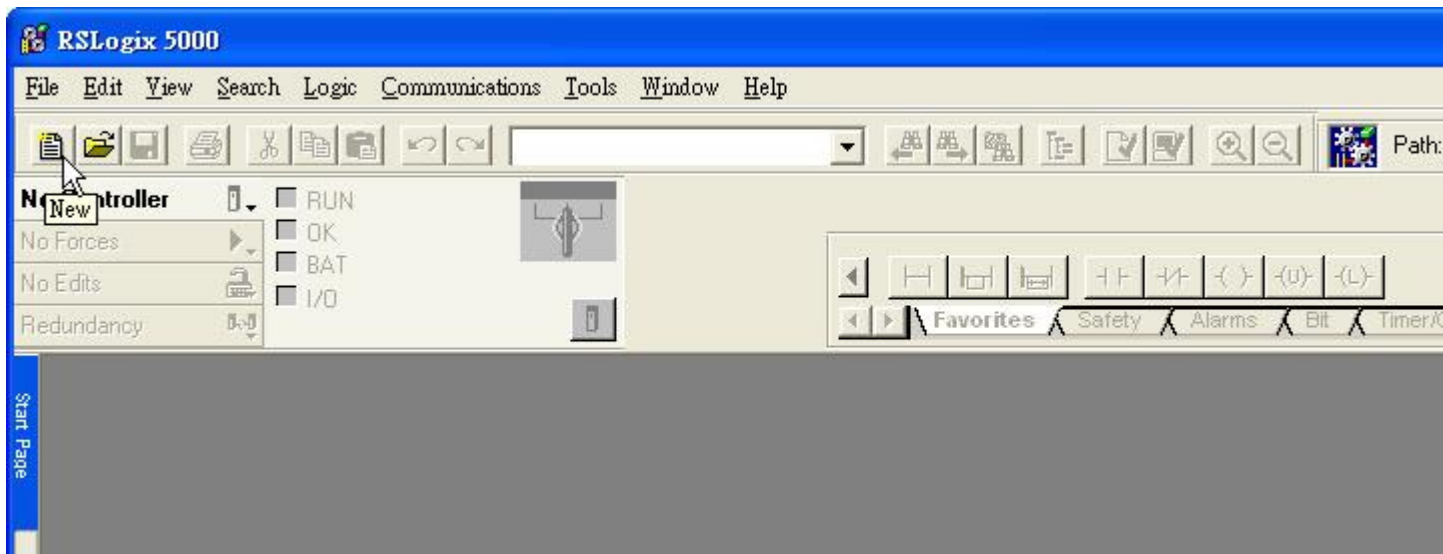


- The driver have been added and running

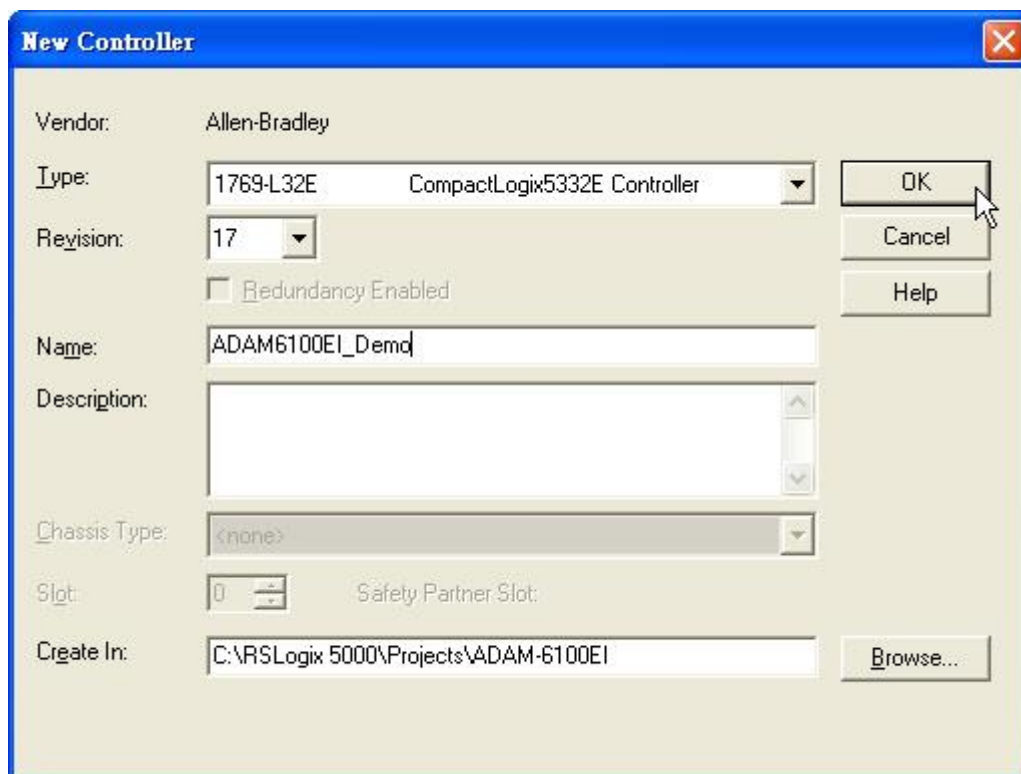


## Add Controller and ADAM-6100EI Module in RSLogix

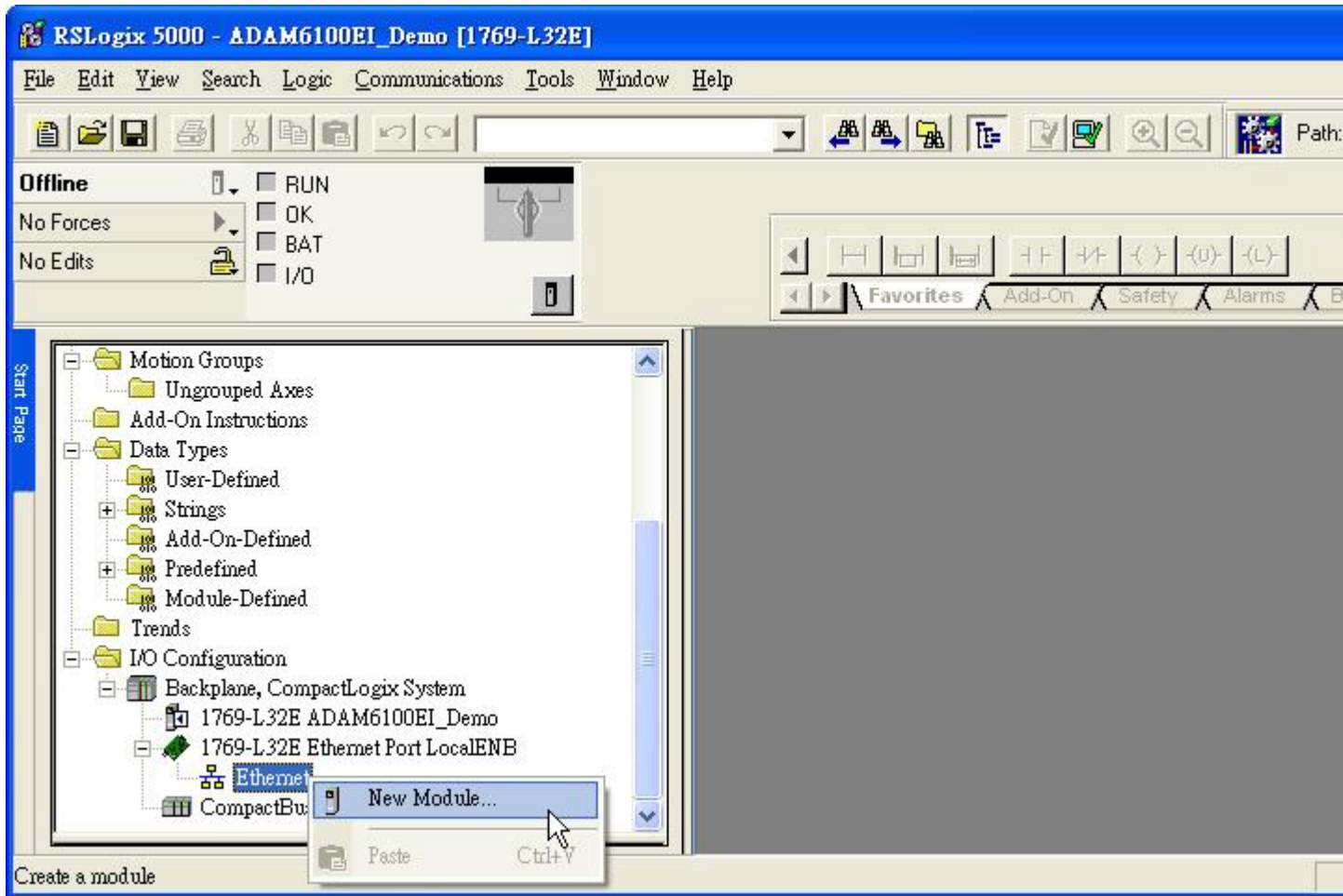
1. Open RSLogix 5000 and click [New] button



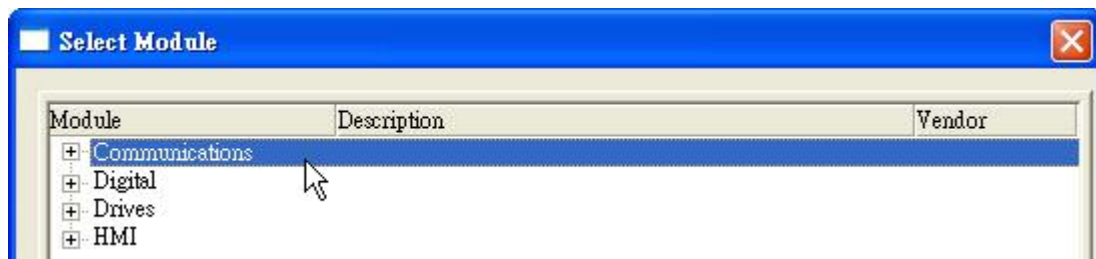
2. Select PLC type and give the project a name then click [OK]

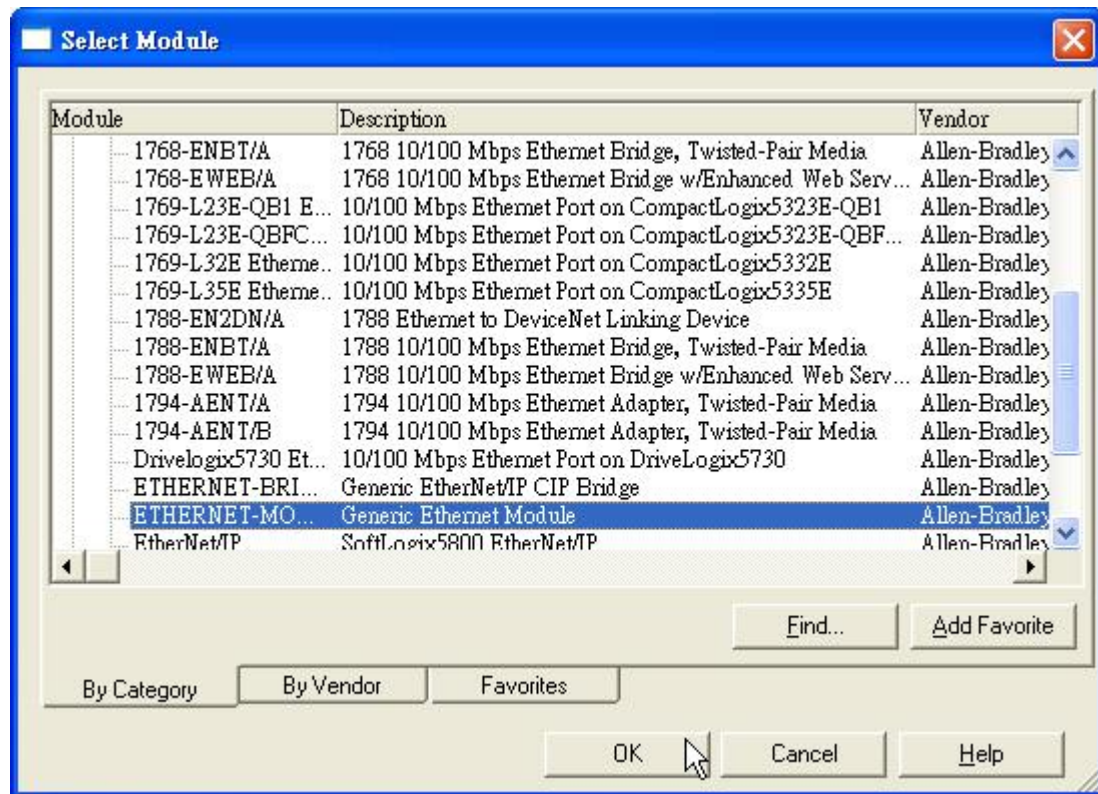


3. Right click [Ethernet] under PLC in the tree and click [New Module...]

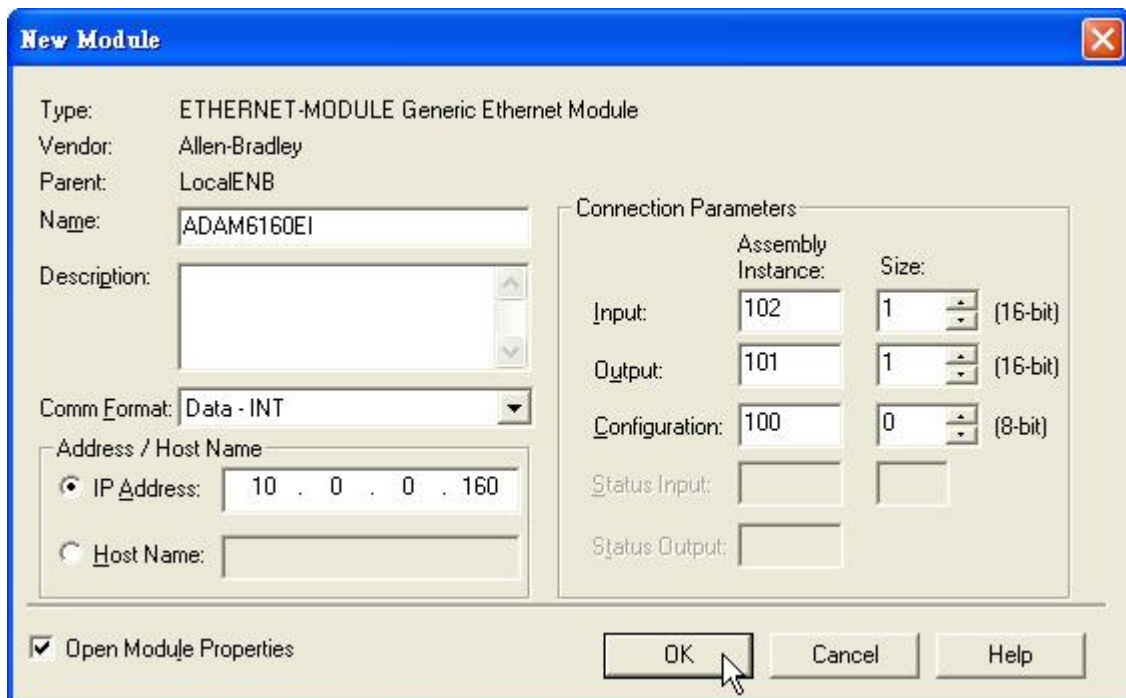


4. Choose [Communications \ ETHERNET-MODULE] and click [OK]



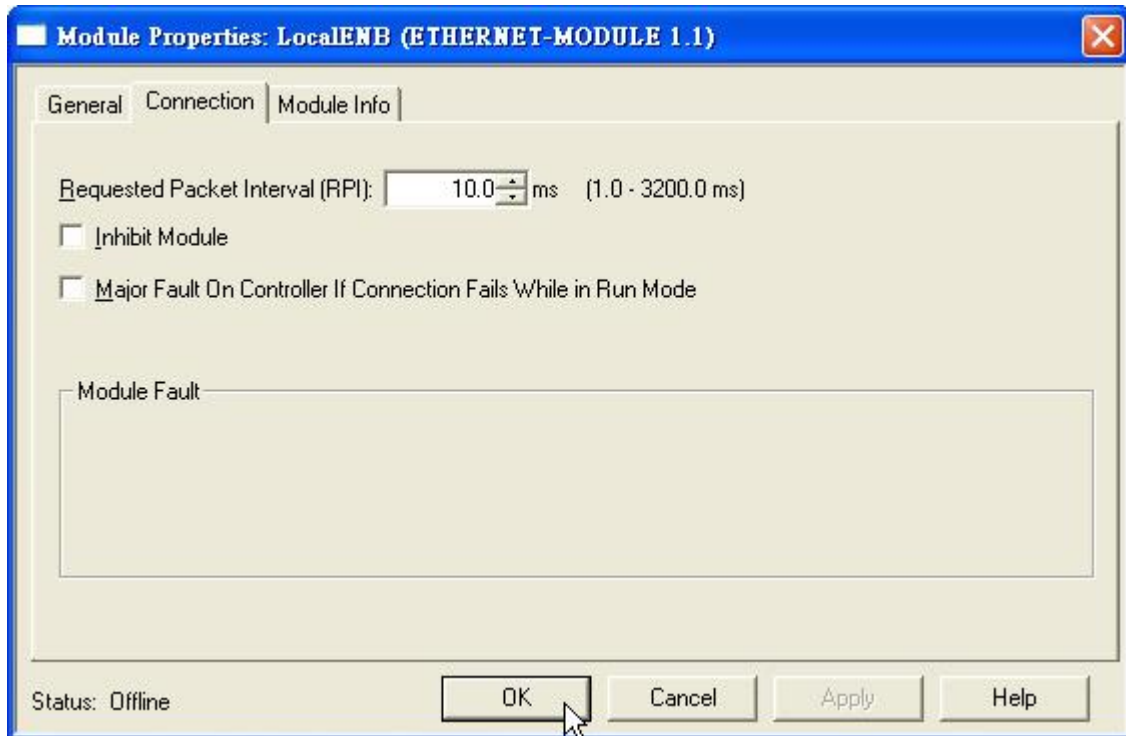


5. Give module a name. Here use ADAM-6160EI as example. Fill in the [Comm Format], [IP Address], and [Connection Parameters]. For digital I/O module, both input and output size are 1; for analog module, both size are 8. Click [OK]

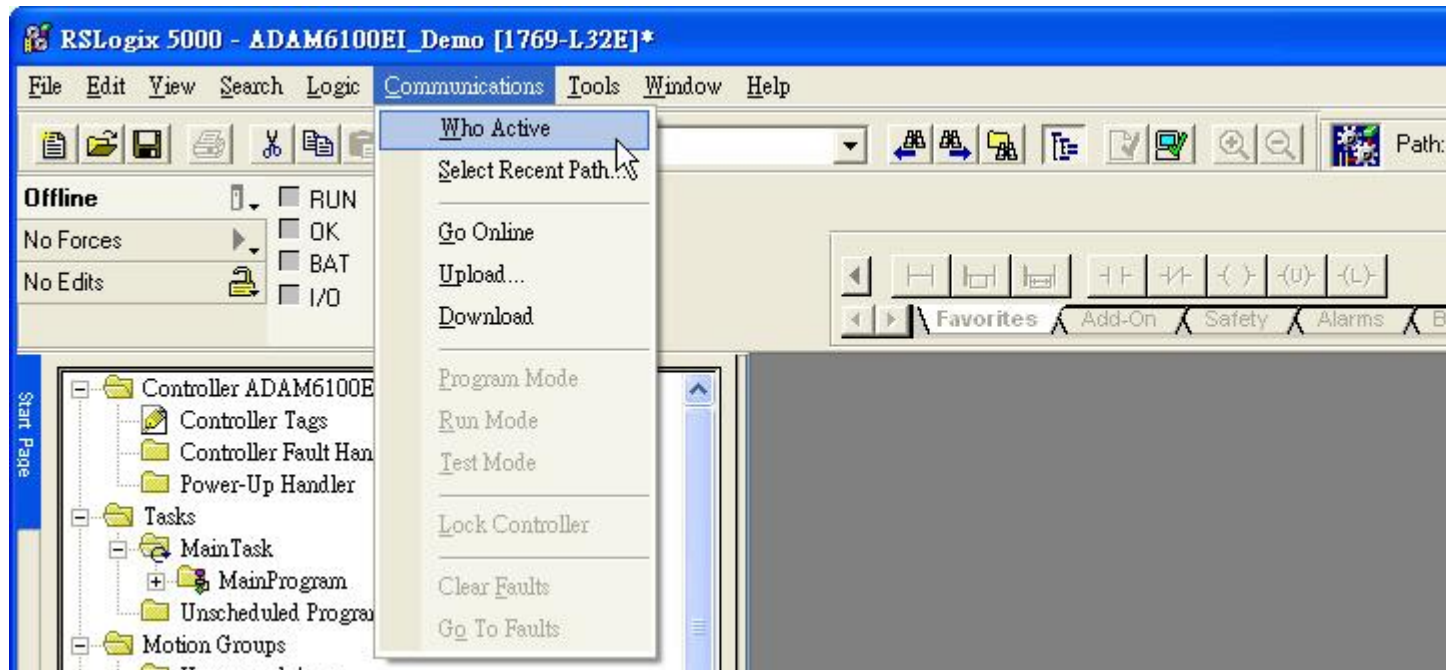




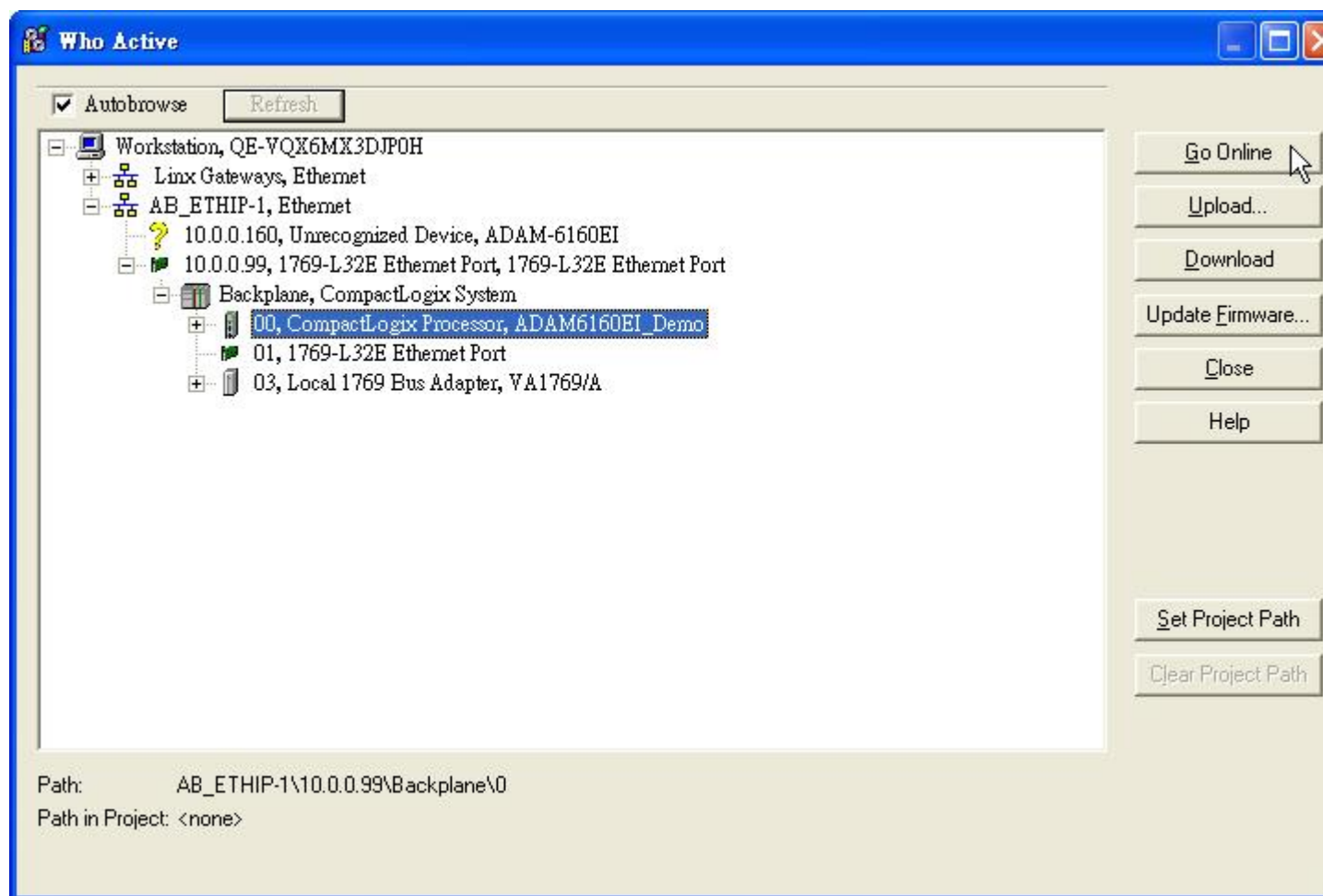
- Setting [Connection] and click [OK]



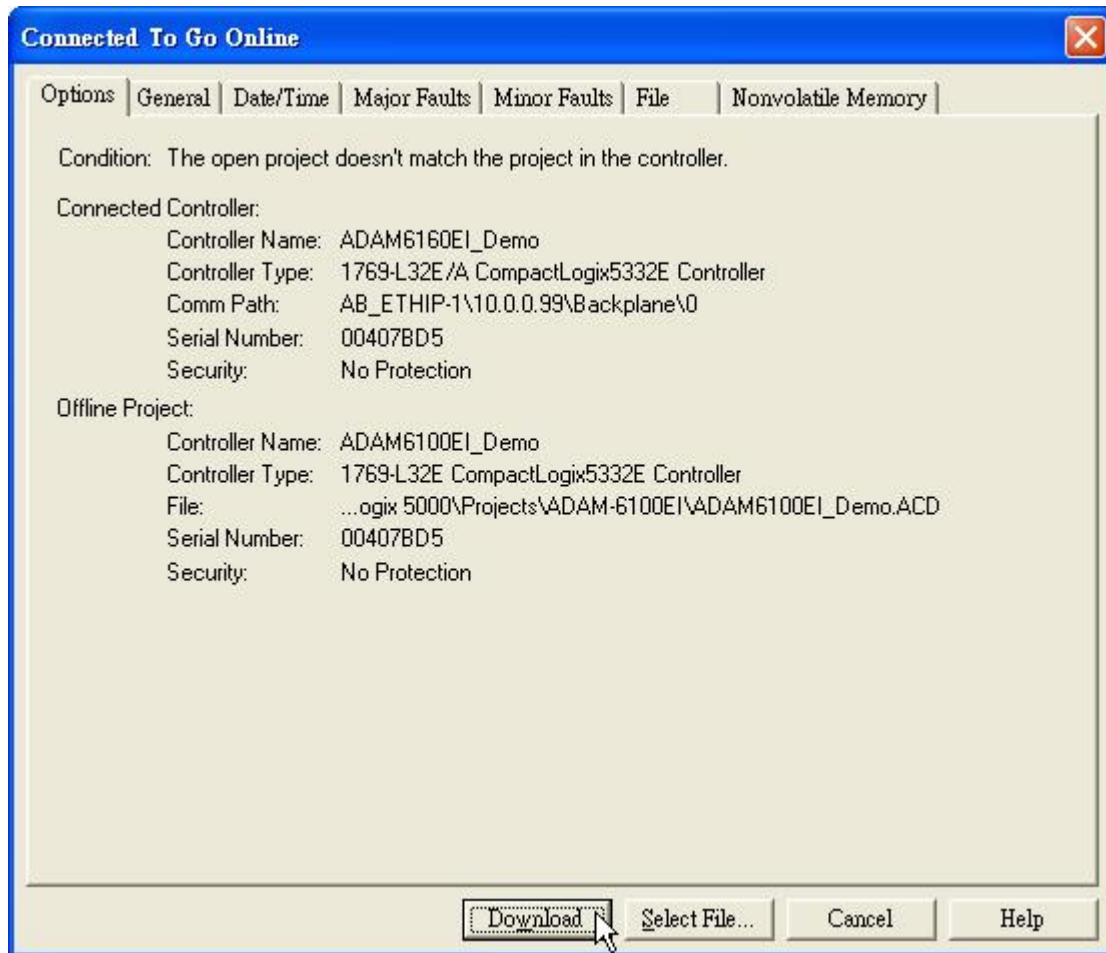
- Click [Communication \ Who Active]



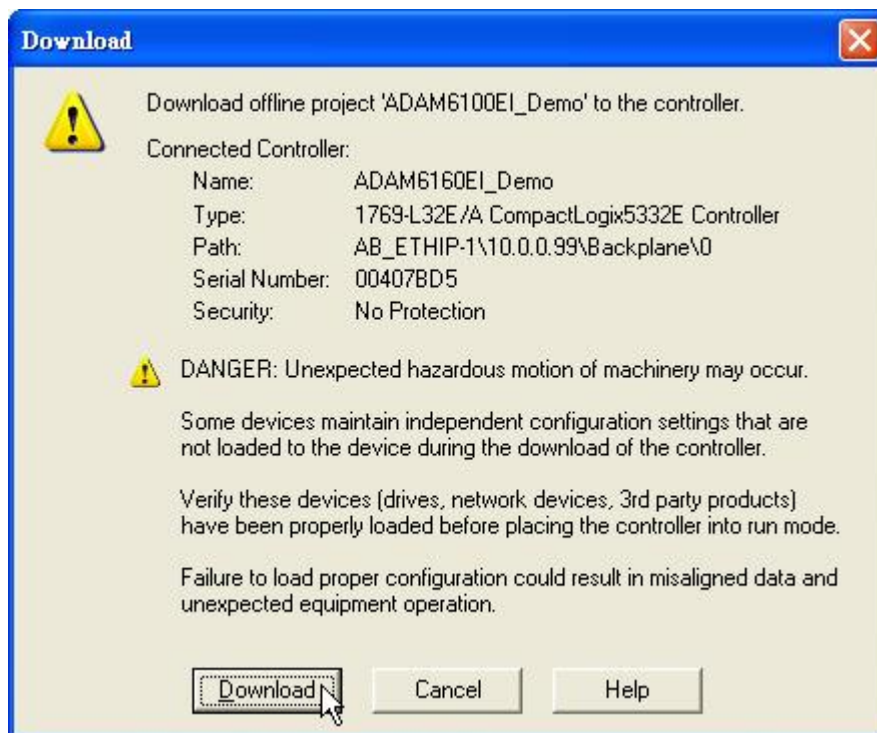
8. Choose the Processor and click [Go Online]



9. Click [Download]



10. Click [Download]





11. Switch PLC to [RUN] and change ADAM-6100EI module to [Normal] mode
12. Click [Controller Tags] to monitor the state of module
13. Give the value [255] to [ADAM6160EI:O.Data[0]] to on all the outputs

RSLogix 5000 - ADAM6100EI\_Demo [1769-L32E]\* - [Controller Tags - ADAM6100EI\_Demo(controller)]

File Edit View Search Logic Communications Tools Window Help

Run Mode  
Controller OK  
Battery OK  
I/O OK

Controller ADAM6100EI\_Demo

- Controller Tags
- Controller Fault Handler
- Power-Up Handler
- Tasks
  - MainTask
    - MainProgram
  - Unscheduled Programs
- Motion Groups
  - Ungrouped Axes
- Add-On Instructions
- Data Types
  - User-Defined
  - Strings
  - Add-On-Defined
  - Predefined
  - Module-Defined
- Trends
- I/O Configuration
  - Backplane, CompactLogix System

Scope: ADAM6100EI\_D Show... Show All

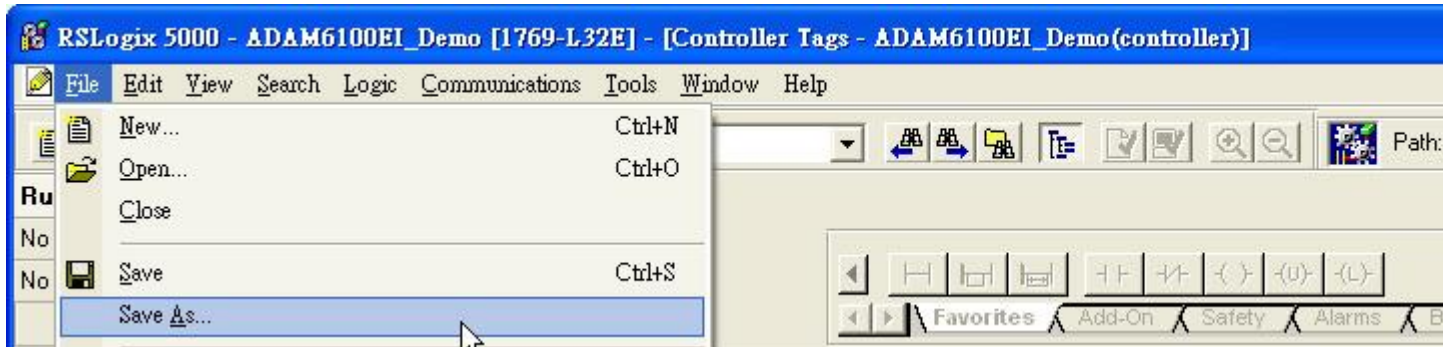
Name	Value	Force Mask
ADAM6160EI:C	{...}	
ADAM6160EI:I	{...}	
ADAM6160EI:O	{...}	
ADAM6160EI:O.Data	{...}	
ADAM6160EI:O.Data[0]	255	
ADAM6160EI:O.Data[0].0	1	
ADAM6160EI:O.Data[0].1	1	
ADAM6160EI:O.Data[0].2	1	
ADAM6160EI:O.Data[0].3	1	
ADAM6160EI:O.Data[0].4	1	
ADAM6160EI:O.Data[0].5	1	
ADAM6160EI:O.Data[0].6	1	
ADAM6160EI:O.Data[0].7	1	

Monitor Tags Edit Tags

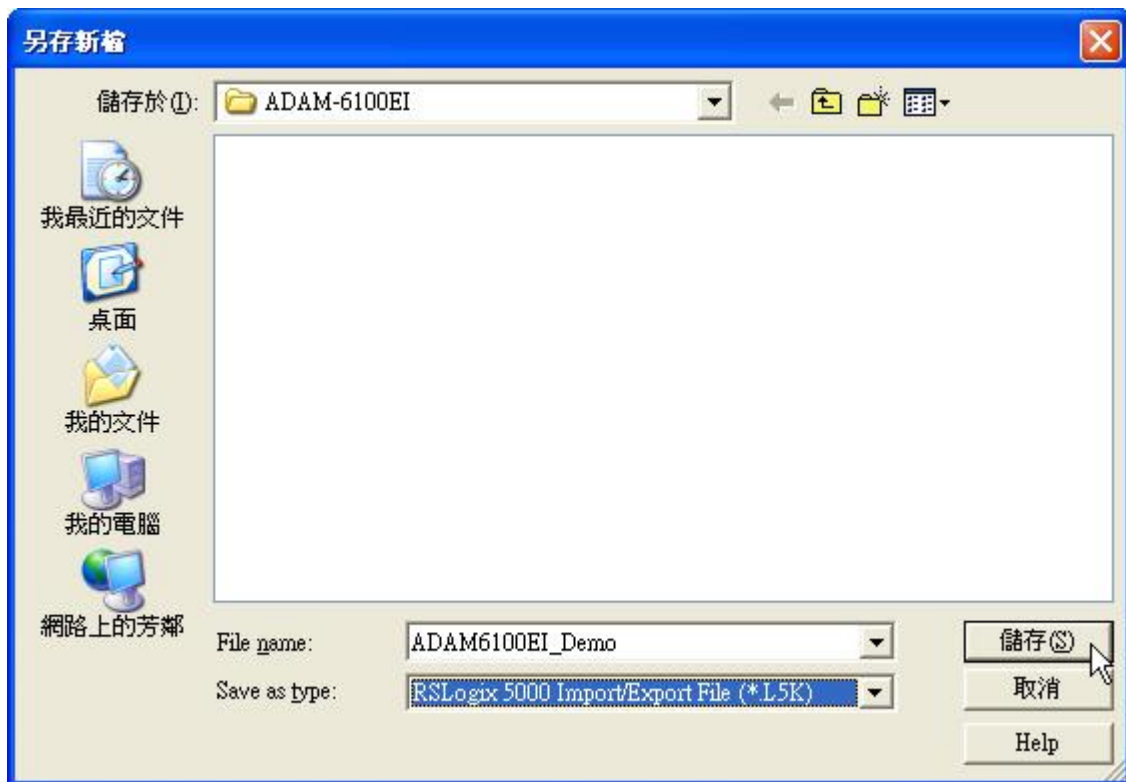
Ready

## Add ADAM-6100EI Module by Utility

1. Click [File \ Save As...]

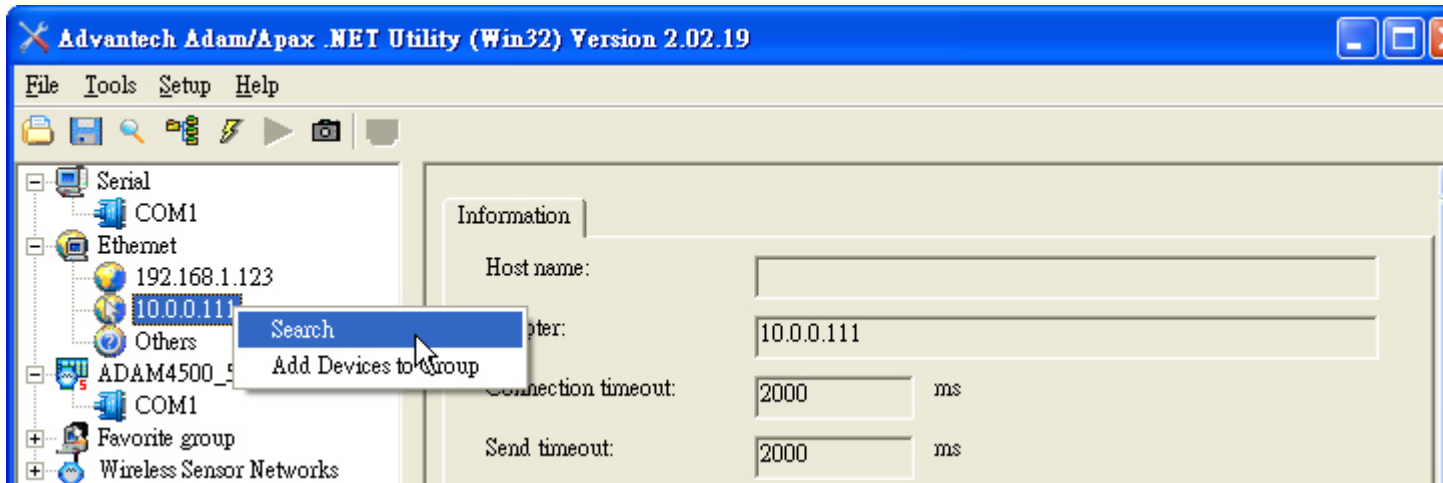


2. Save file as type [\*L5K] and click [Save]

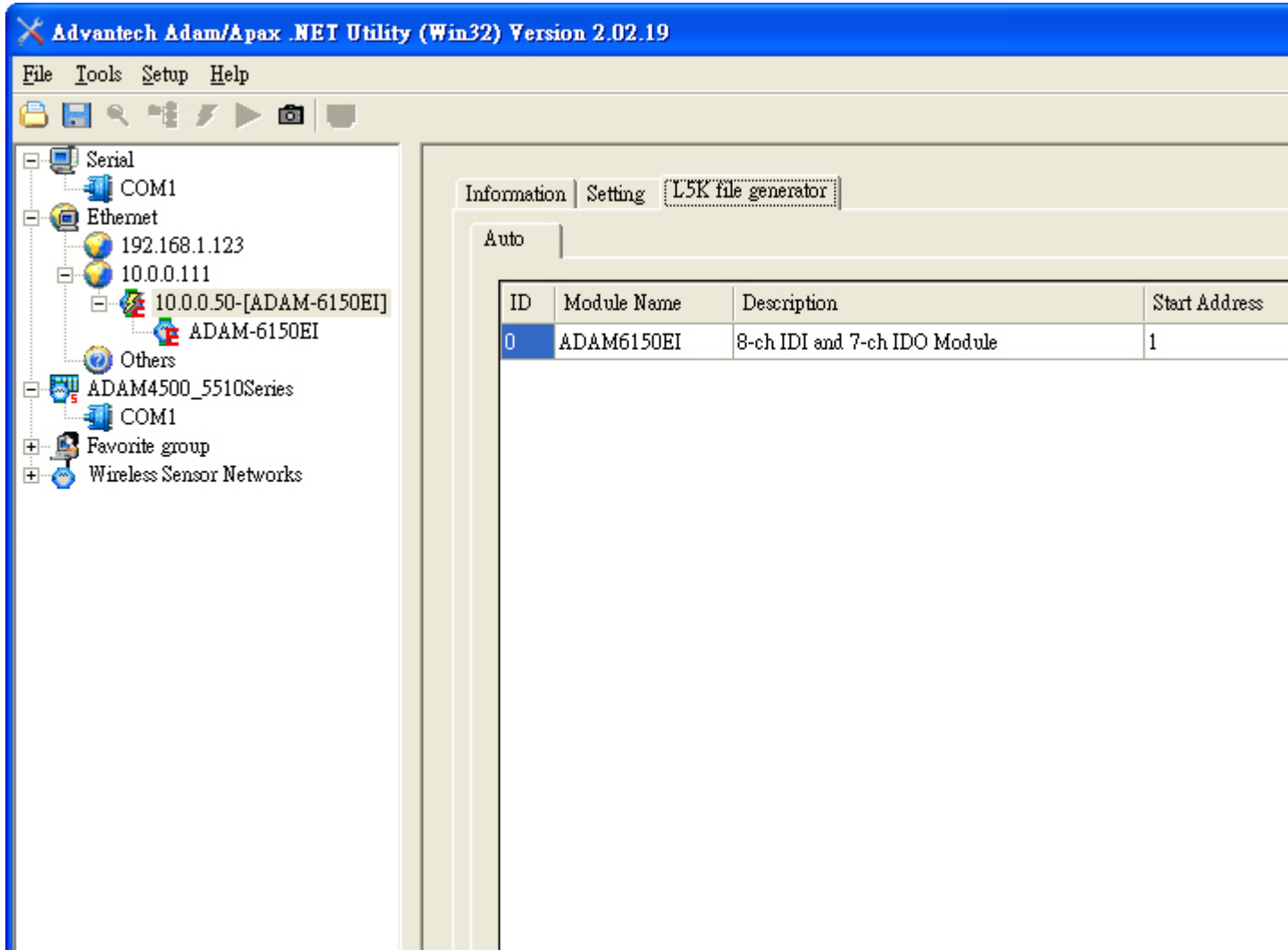


3. Switch ADAM-6100EI module to [Init] mode

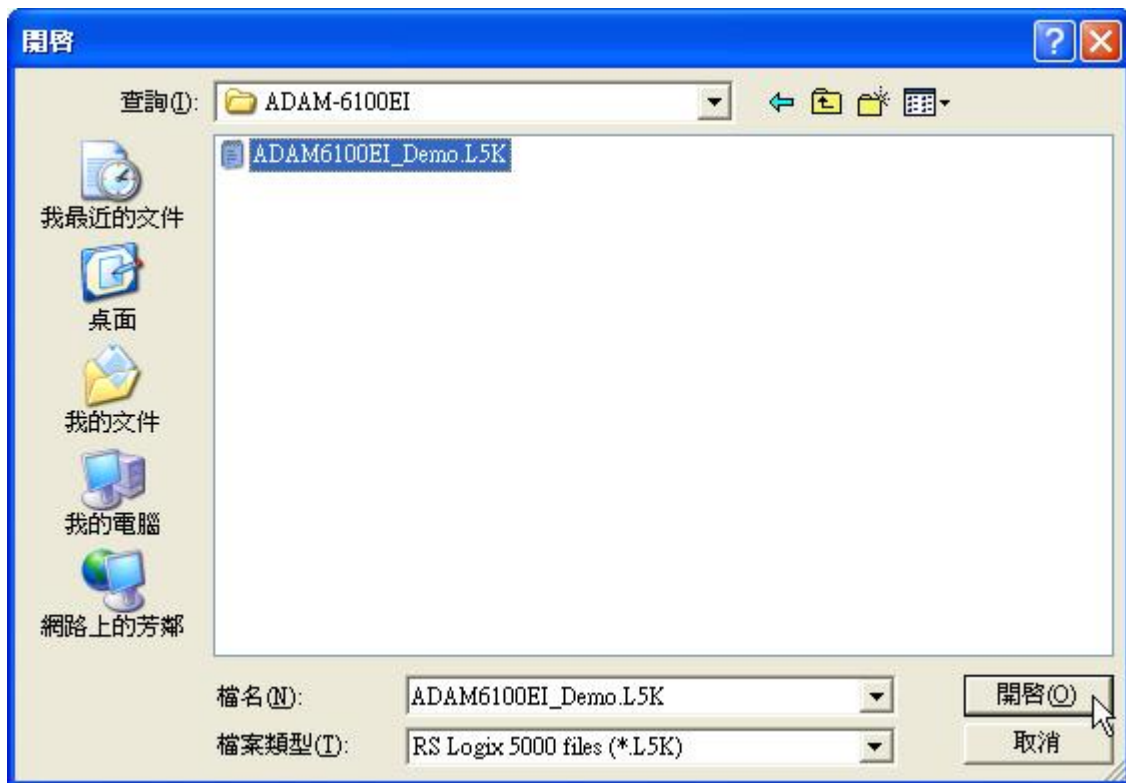
4. Open Adam/Apax .NET Utility and search the module



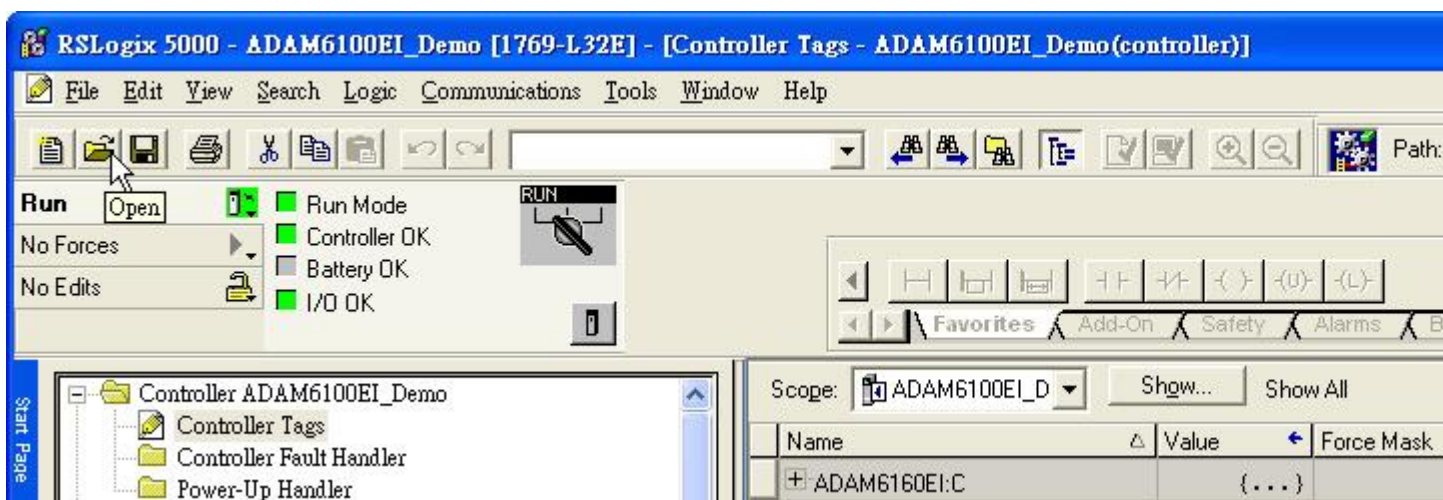
5. Click [Generate] button under [L5K file generator] tab



- Open the [\*.L5K] file that have just been saved, and click [OK] to finish. Remember to switch the module back to [Normal] mode

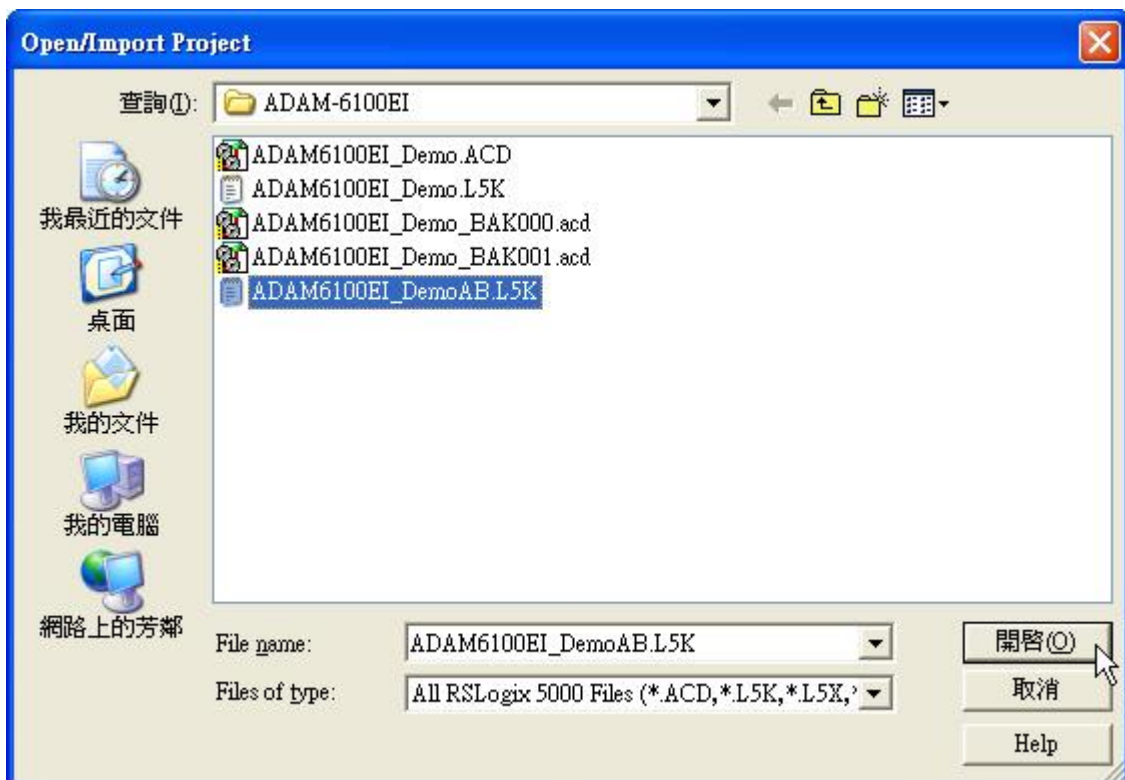


- Click [Open] button in RSLogix 5000

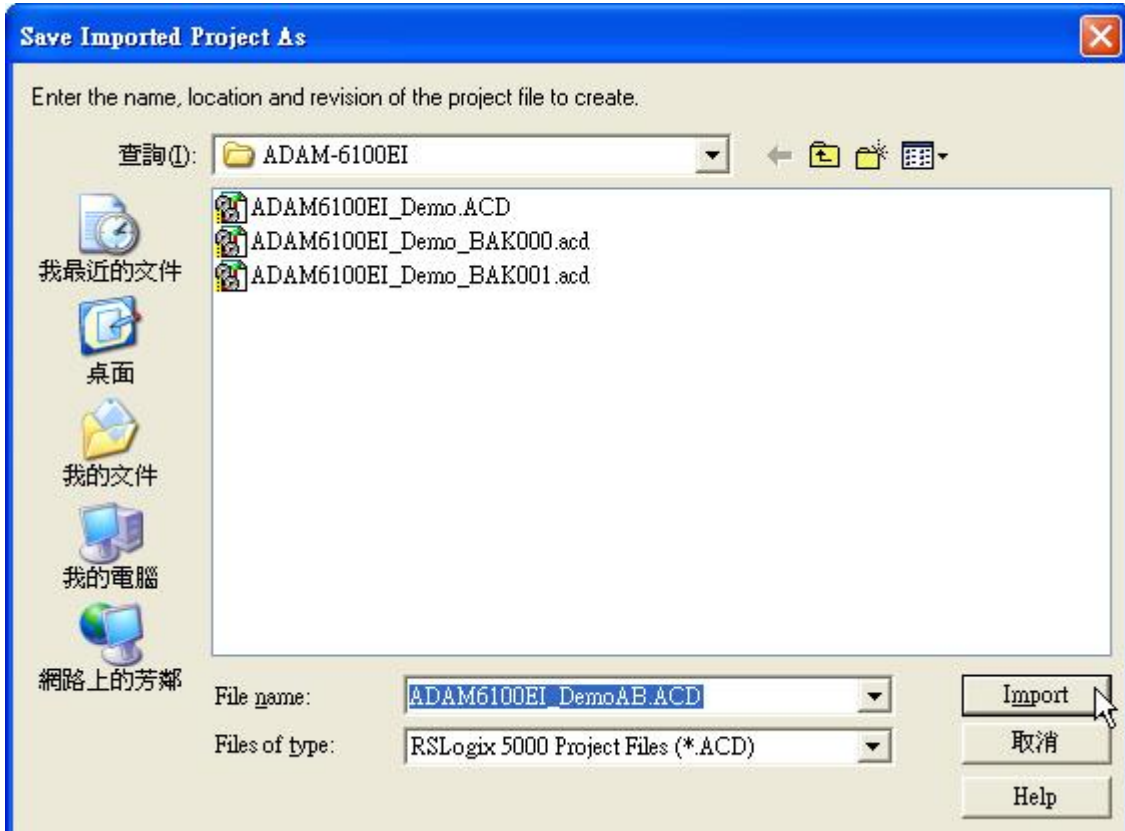




8. Select the [\*AB.L5K] file that have been add the word “AB” and click [Open]

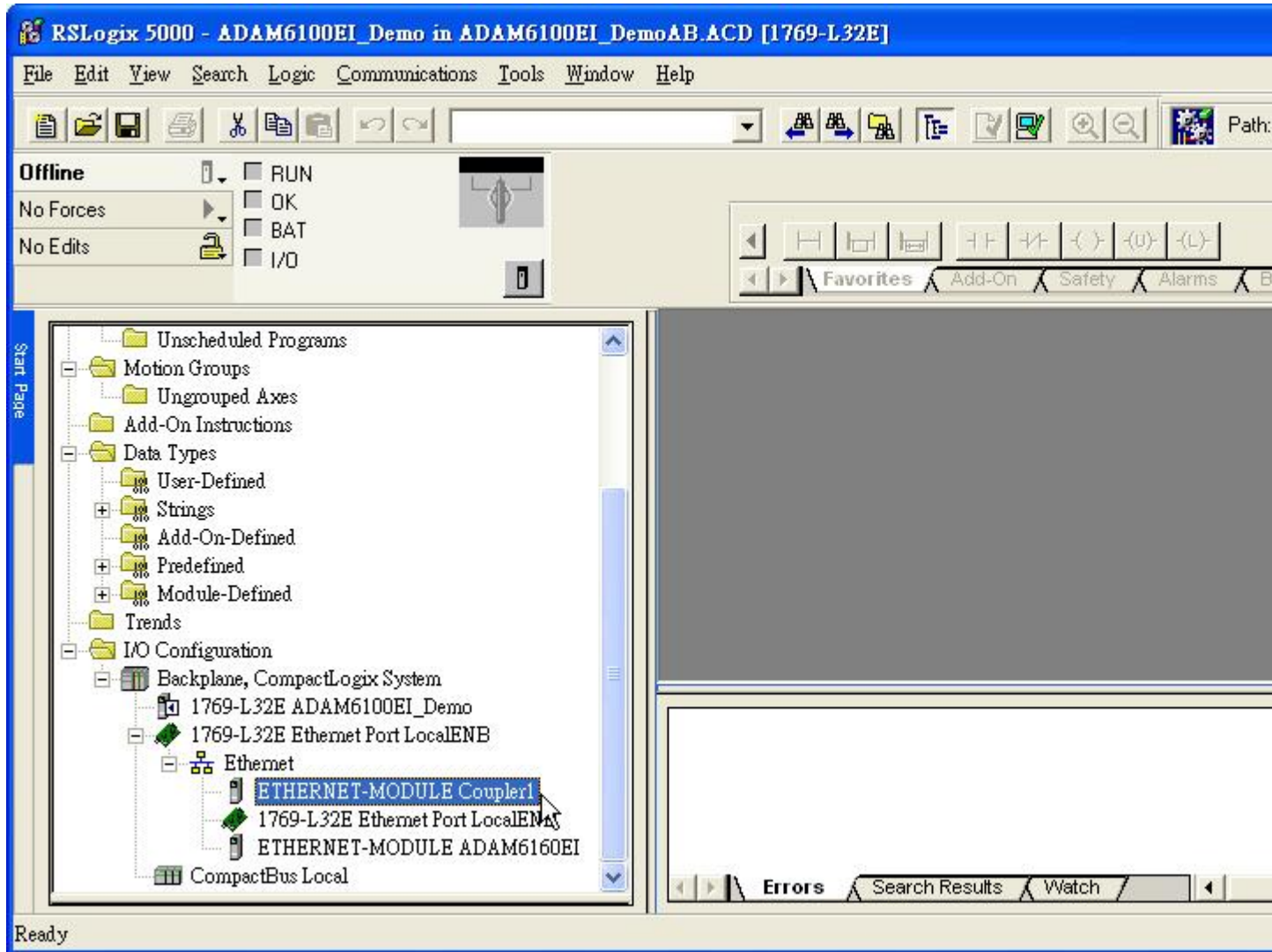


9. Click [Import] to save the imported file

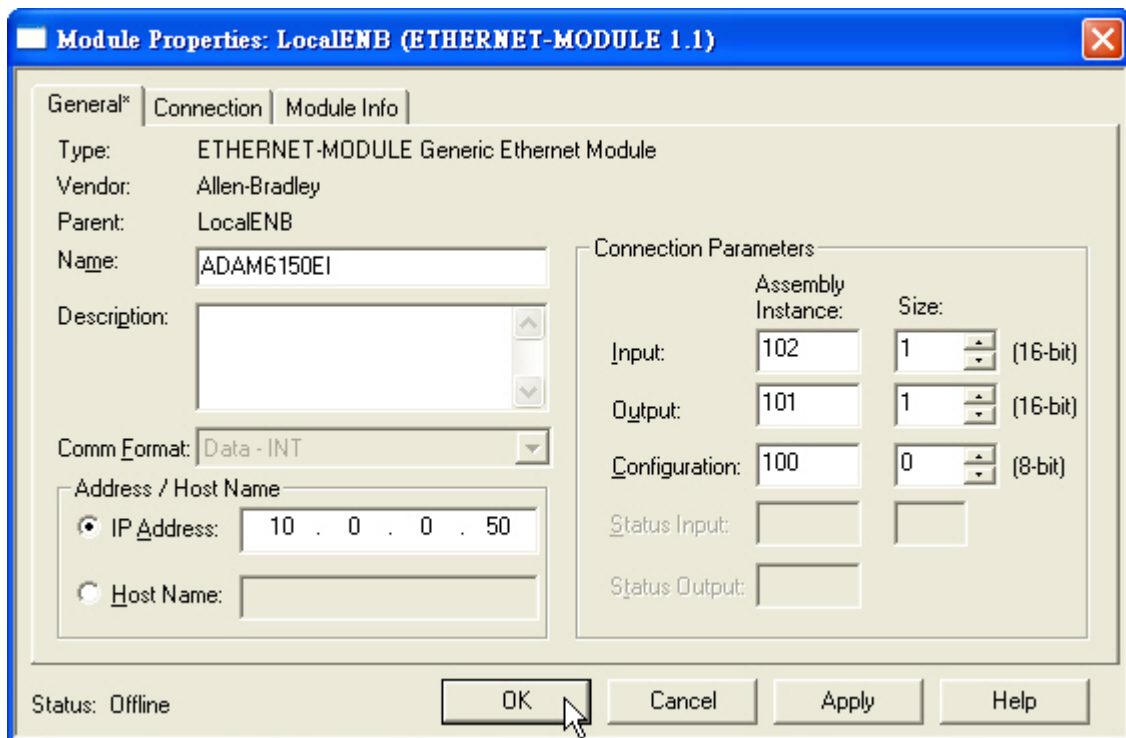




10. The module have been added and named as coupler double click the module to edit



11. [Comm Format], [IP Address], and [Connection Parameters] have been set automatically, user can rename the module as following figure



**Written by Alan.Chien, ADAM Product AE, 2012/1/13**

**Modified on 2012/4/16**