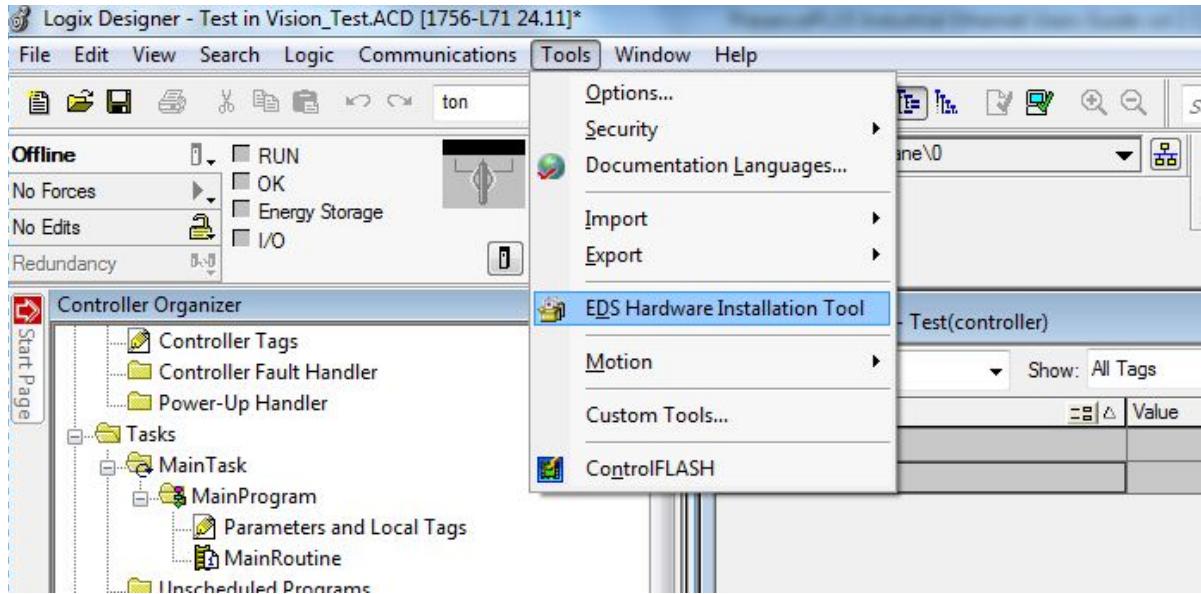


iVu Plus ControlLogix EtherNet/IP Configuration Using EDS File

Here is an example of using the iVu Plus EDS file to create a connection on a ControlLogix PLC.

1. First we use the EDS Hardware Installation Tool to register the EDS file.



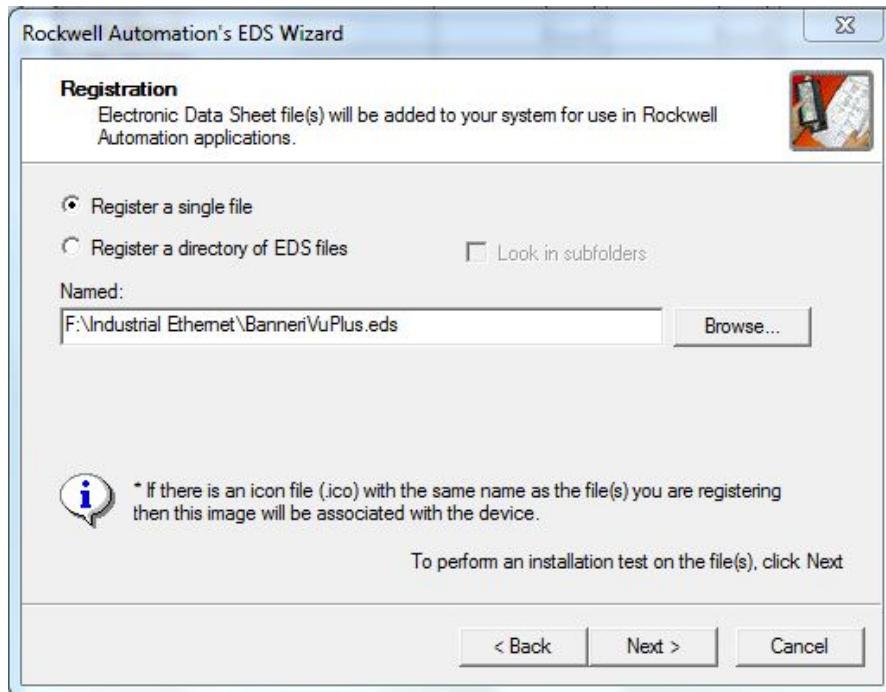
2. Click Next



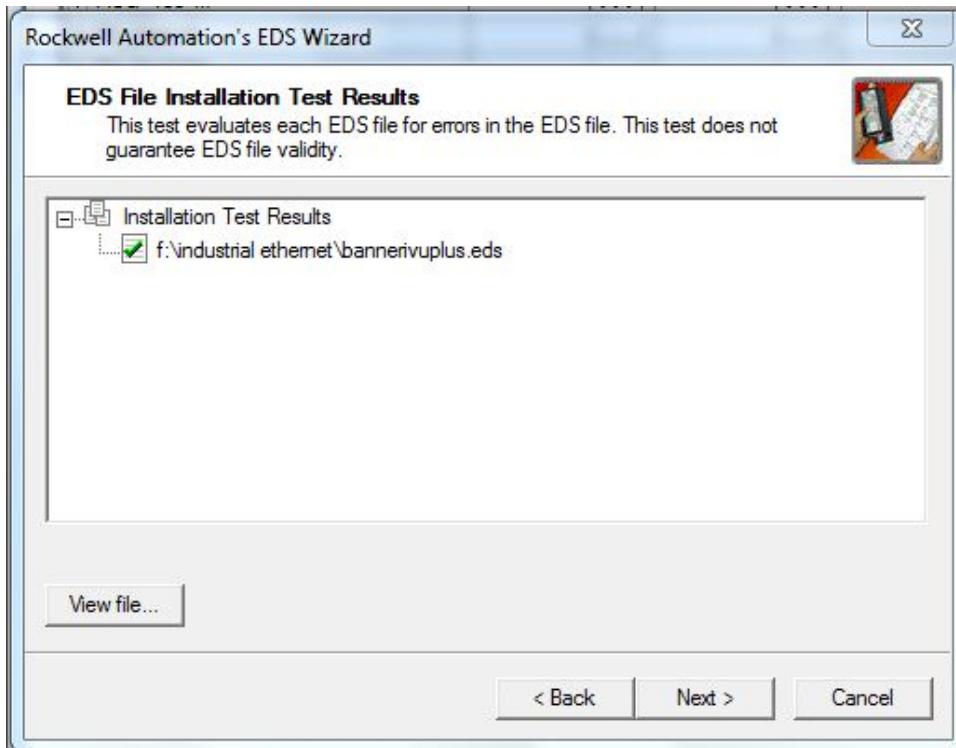
3. Choose the “Register and EDS file(s)” option



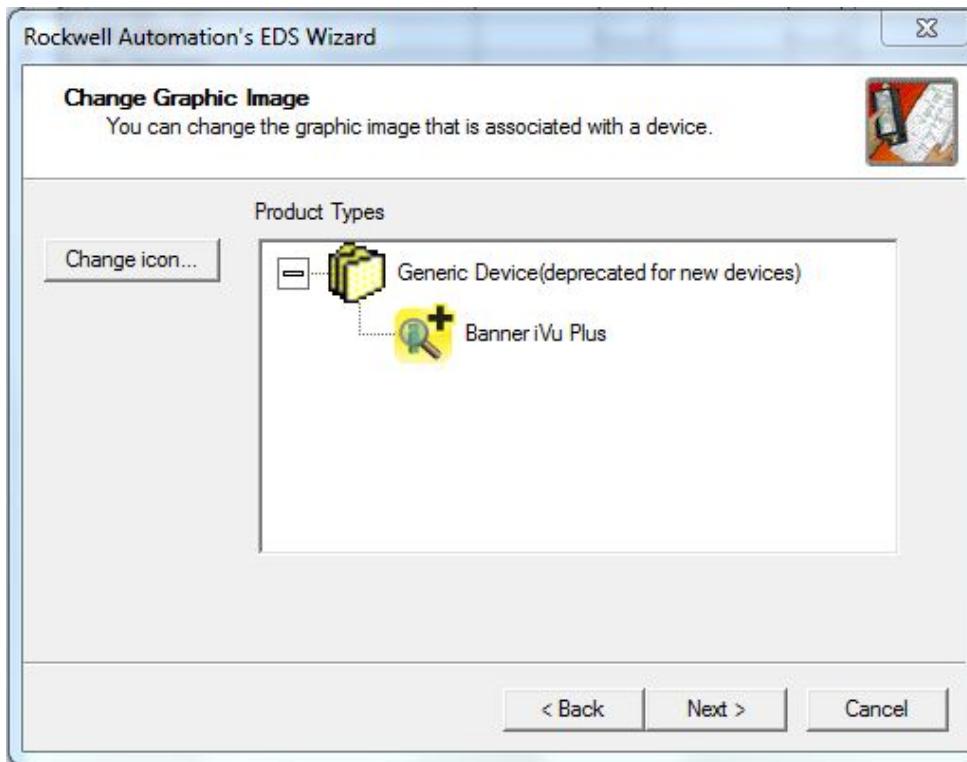
4. Browse to find the EDS file, then click Next.



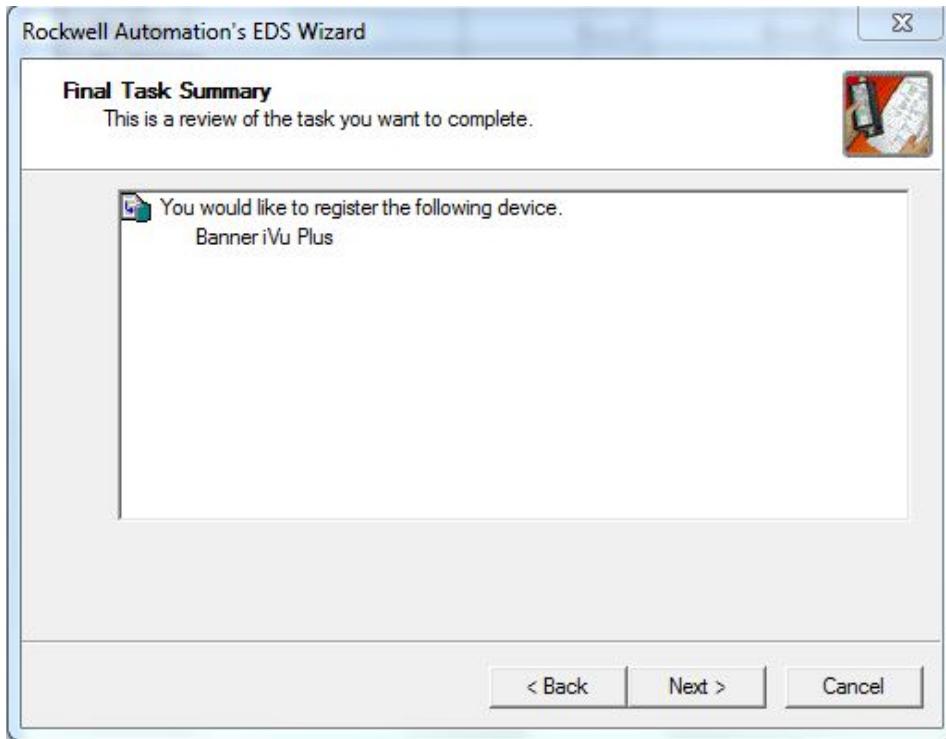
5. The file has been tested and can be registered. Click Next.



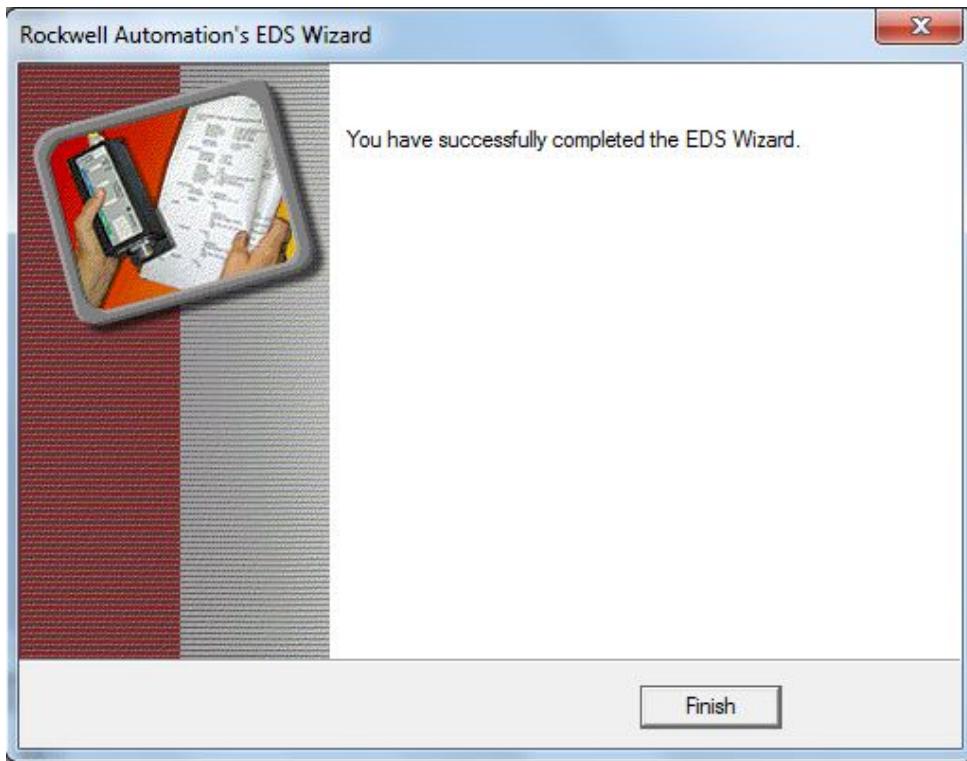
6. Here is the icon associated with the EDS file. Click Next.



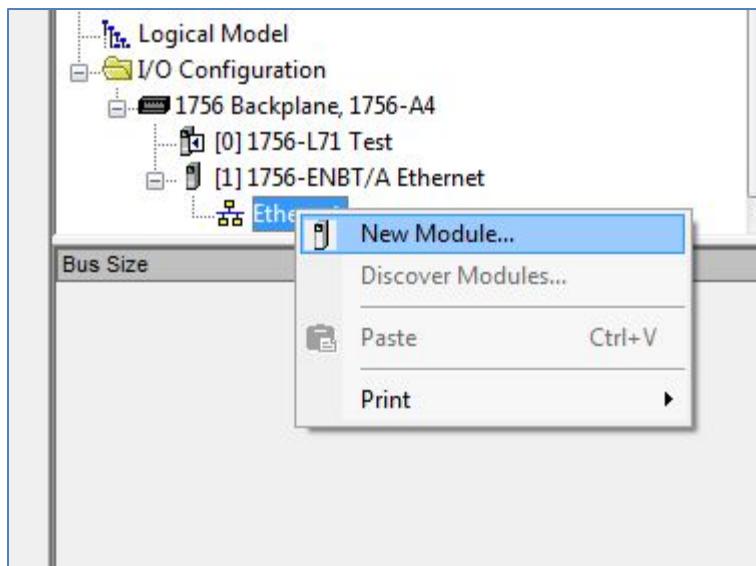
7. Everything looks good. Click Next to register this EDS file.



8. Complete! Click Finish. The EDS file is now registered in the Rockwell software.



9. Now we will make a new module using the EDS file. Right click on the PLC's Ethernet adapter and choose "New Module".



10. From the list, locate "iVu Plus" then click Create.

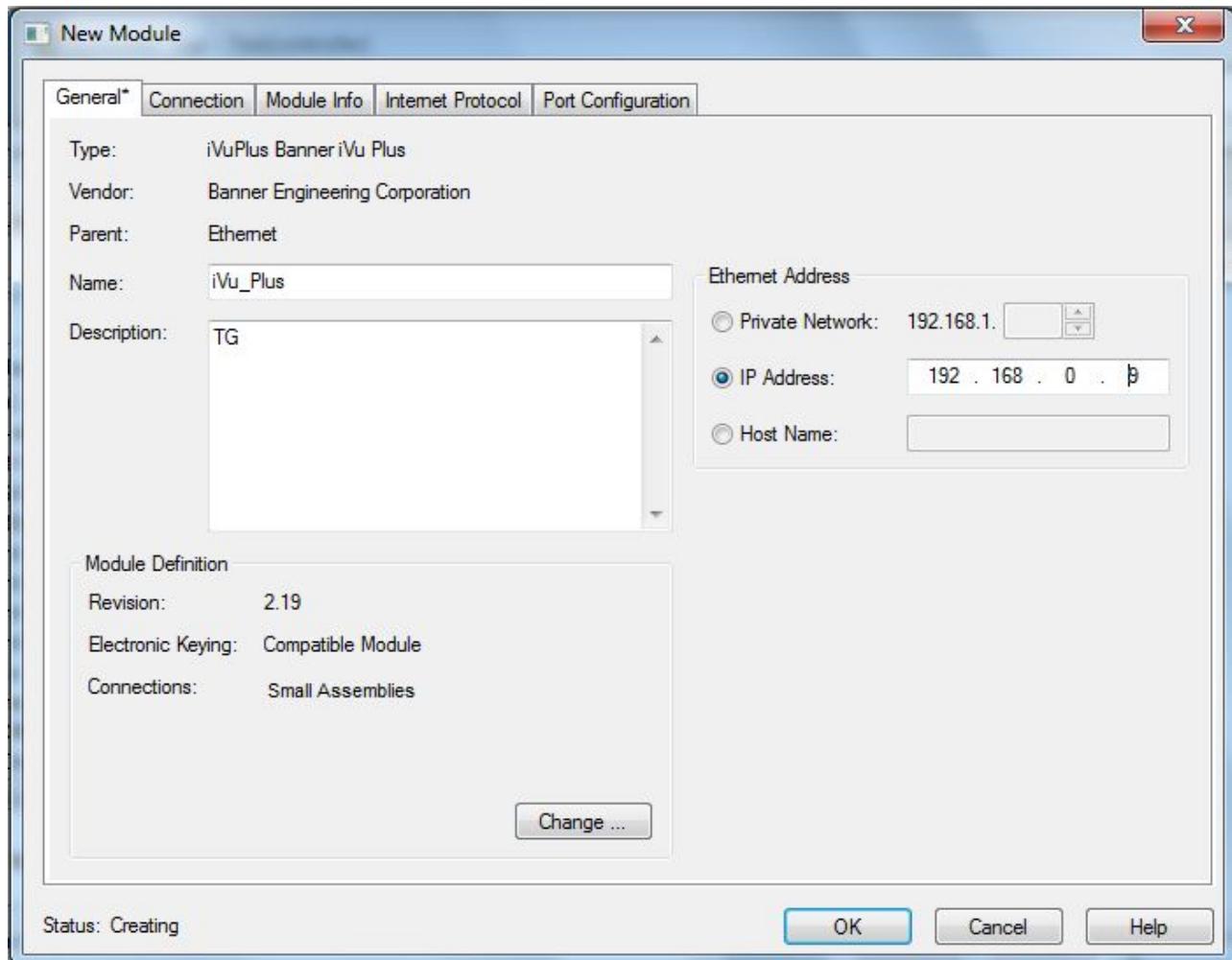
Select Module Type

Catalog Number	Description	Vendor	Category
IND780 Ethernet/IP	Scale Terminal	Mettler-Toledo	Communication
In-Sight 1700 Series	Vision System	Cognex Corporat...	Communication
In-Sight 3400 Series	Vision System	Cognex Corporat...	Communication
In-Sight 5000 Series	Vision System	Cognex Corporat...	Communication
In-Sight Micro Series	Vision System	Cognex Corporat...	Communication
iVuPlus	Banner iVu Plus	Banner Engineer...	Generic Device(d)
Liquiline_CM44x	EtherNet/IP Analysis	Endress+Hauser	Specialty
MDCOMM-ENET	MDCOMM-ENET	Reliance Electric	MDI to EtherNet/...
Multi-Drive-25-COMM-E2P	Multi-Drive via 25-COMM-E2P	Allen-Bradley	Drive
PCIe-ETAP	PCIe-ETAP PCIe card: EIP w/DLR	Online Develop...	Communications /...
PowerFlex 4 Class Multi-E	Multi Drive via 22-COMM-E	Allen-Bradley	Drive
PowerFlex 400-E	AC Drive via 22-COMM-E	Allen-Bradley	Drive
PowerFlex 400P-E	AC Drive via 22-COMM-E	Allen-Bradley	Drive

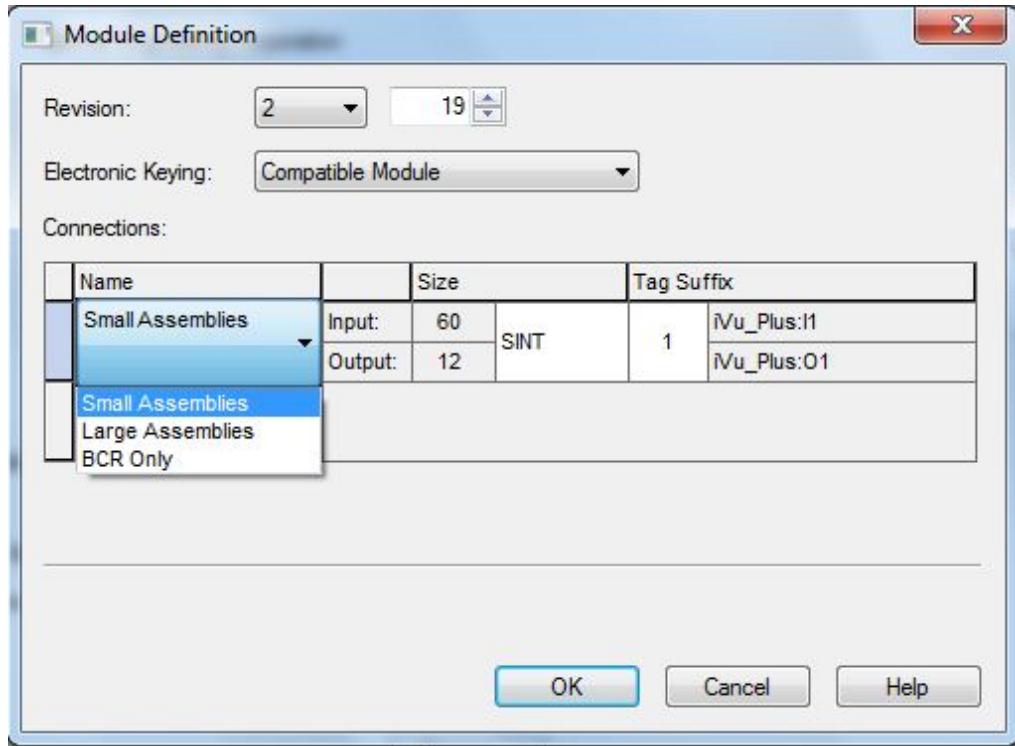
394 of 394 Module Types Found

Close on Create

11. Fill in a name, optional description, and IP address for the vision sensor. Then click the “Change” button in the Module Definition box.



12. In the Module Definition window you can select which type of connection you'd like to create. Each of the menu items in the Connections window stands for a fixed grouping of Input and Output Assembly Instances, as defined here. See the relevant model **iVu Plus Instruction Manual** for more information on the assembly objects.



Small Assemblies-

O→T PLC Input/iVu Plus Output Assembly 112 (0x70)
T→O PLC Output/iVu Plus Input Assembly 100 (0x64)

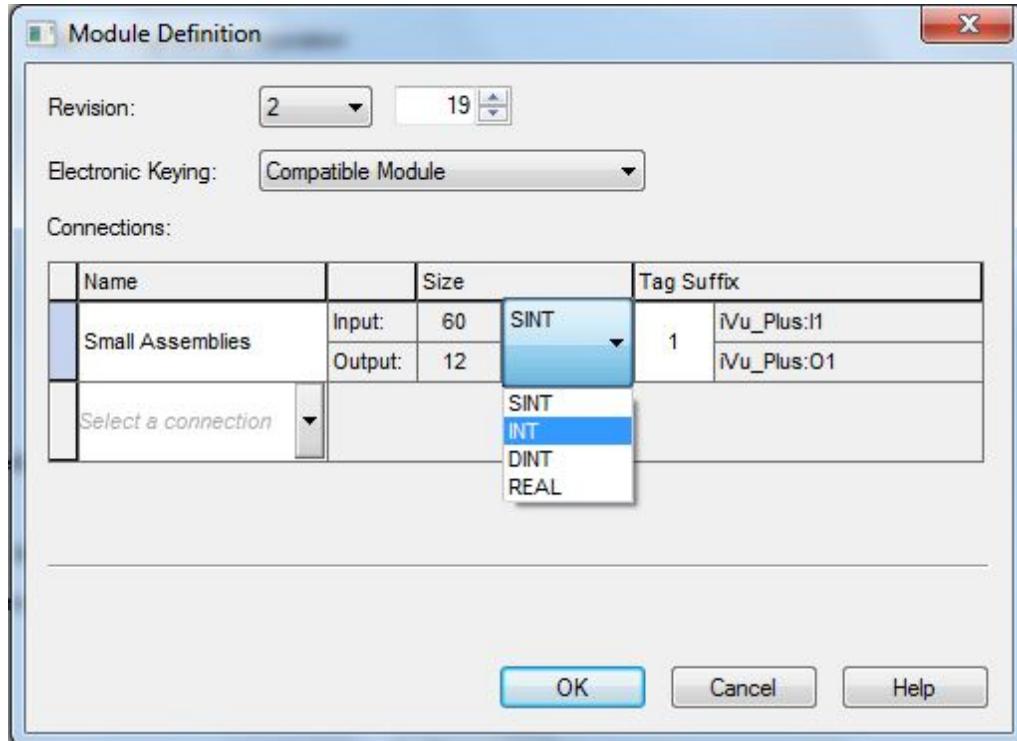
Large Assemblies-

O→T PLC Input/ iVu Plus Output Assembly 113 (0x71)
T→O PLC Output/ iVu Plus Input Assembly 101 (0x65)

BCR Only-

O→T PLC Input/ iVu Plus Output Assembly 113 (0x71)
T→O PLC Output/ iVu Plus Input Assembly 102 (0x66)

13. Make sure to select “INT” as the data type.



14. Click OK, then OK again and download the program to the PLC. The connection will look like that seen below.

