

Magelis Connect to Omron PLC

What is the purpose Deeply understanding how easy HMI magelis Schneider connect to other PLC Brand which already provided direct connection driver

What units are effected

1. Magelis HMI
2. Omron PLC+CX Programmer (third Party devices)
3. Vijeo Designer

Details This application is divided into several parts

Section	Title
1	Parts List
2	Topology Overview
3	Step by step setup
4	Online testing
5	Remarks

Section 1; Parts list

Parts List table Items used in the test

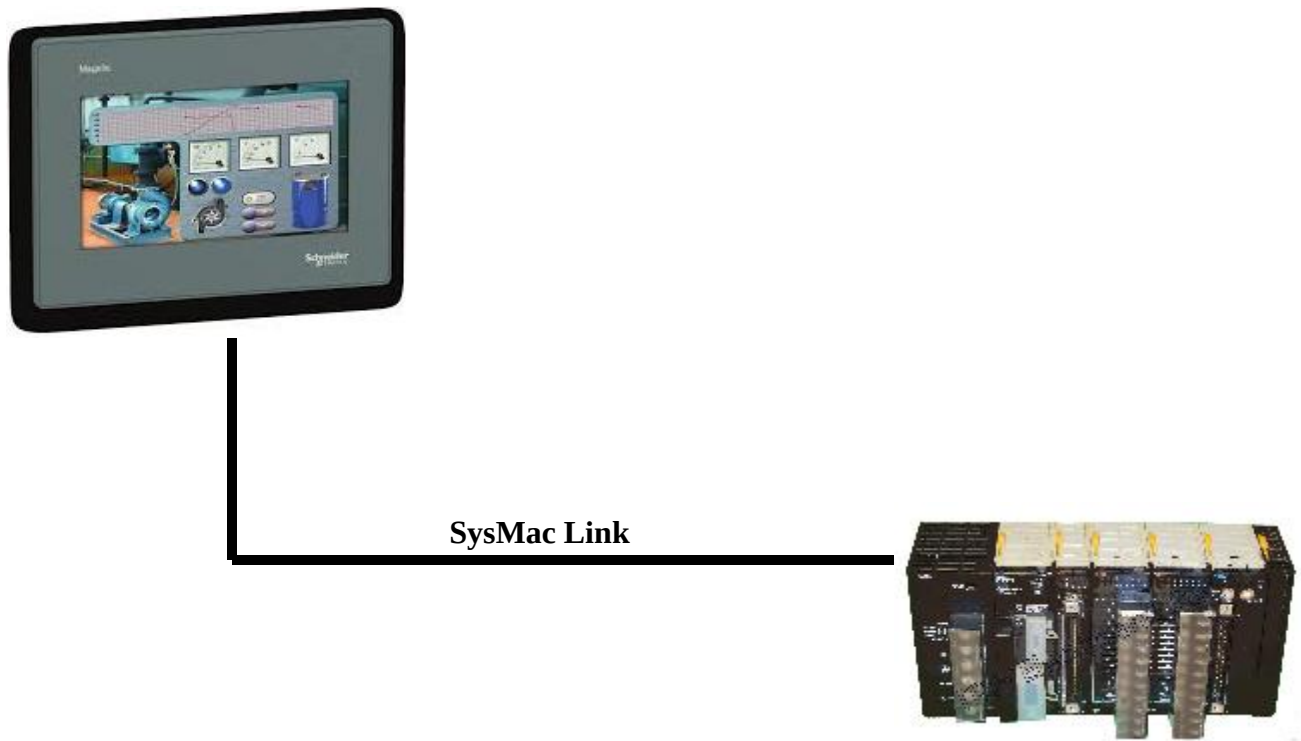
Items	Part numbers	Description
Magelis HMI	HMIGTO series, HMISTU series, HMIGXU series	Software for PLC SoMachine Series
Software	• VJDSNDTGSVxxM	Vijeo Designer Single License or Multi License
PLC and Software	• CX Programmer + PLC CJ series	Third party product

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Section 2; Topology overview

Topology overview
diagram

Physical Topology Connection



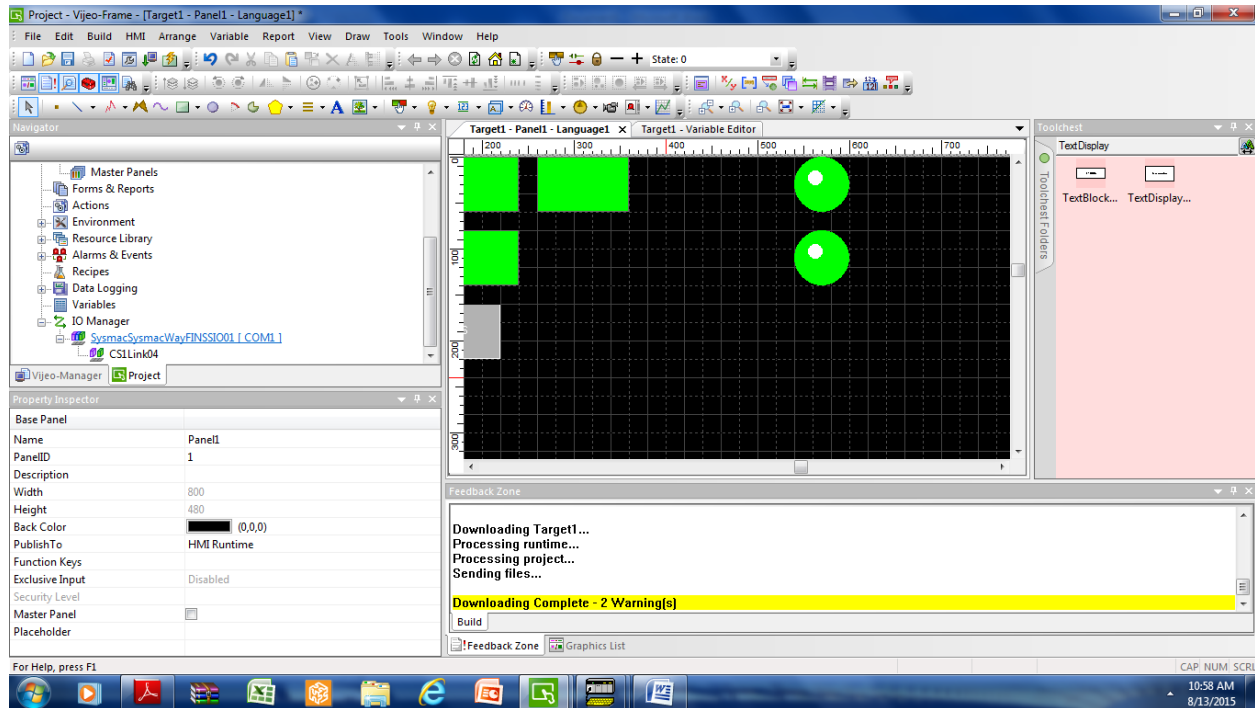
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Section 1; Parts liststep by step

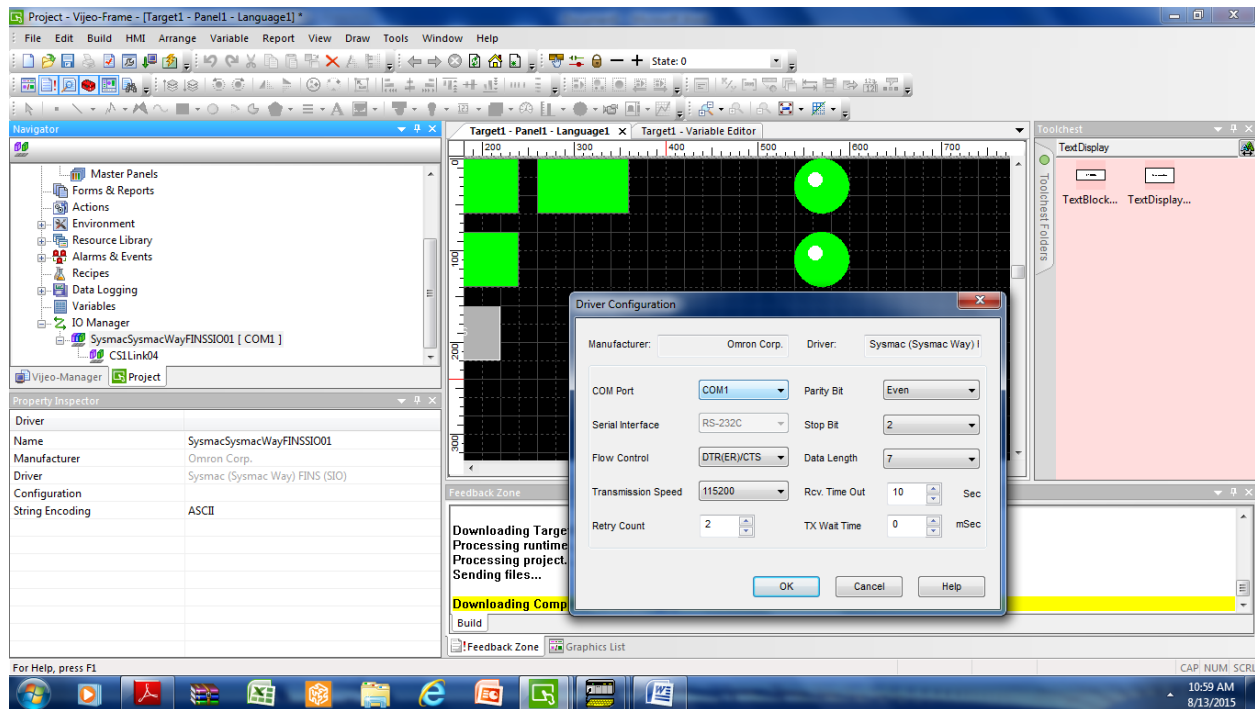
Step by step configuration software on Vijeo Designer :

Vijeo Designer setting:

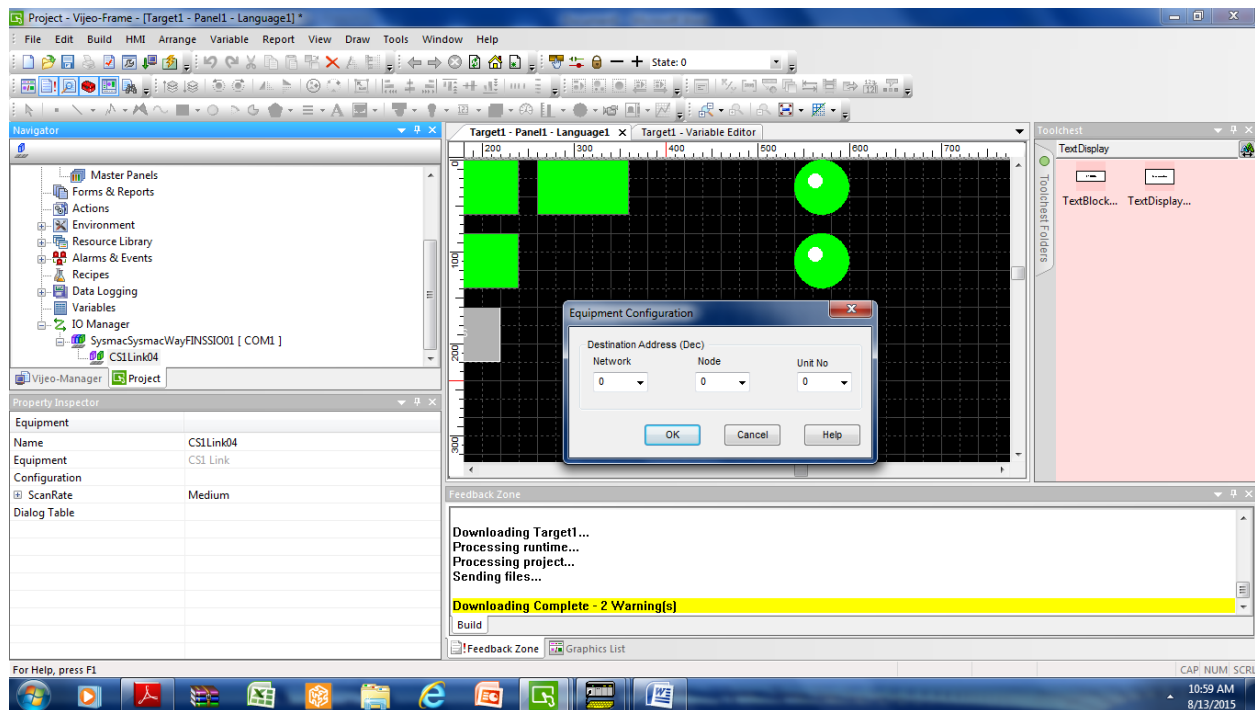
1. Protocol Mandatory using Sysmacway FINS



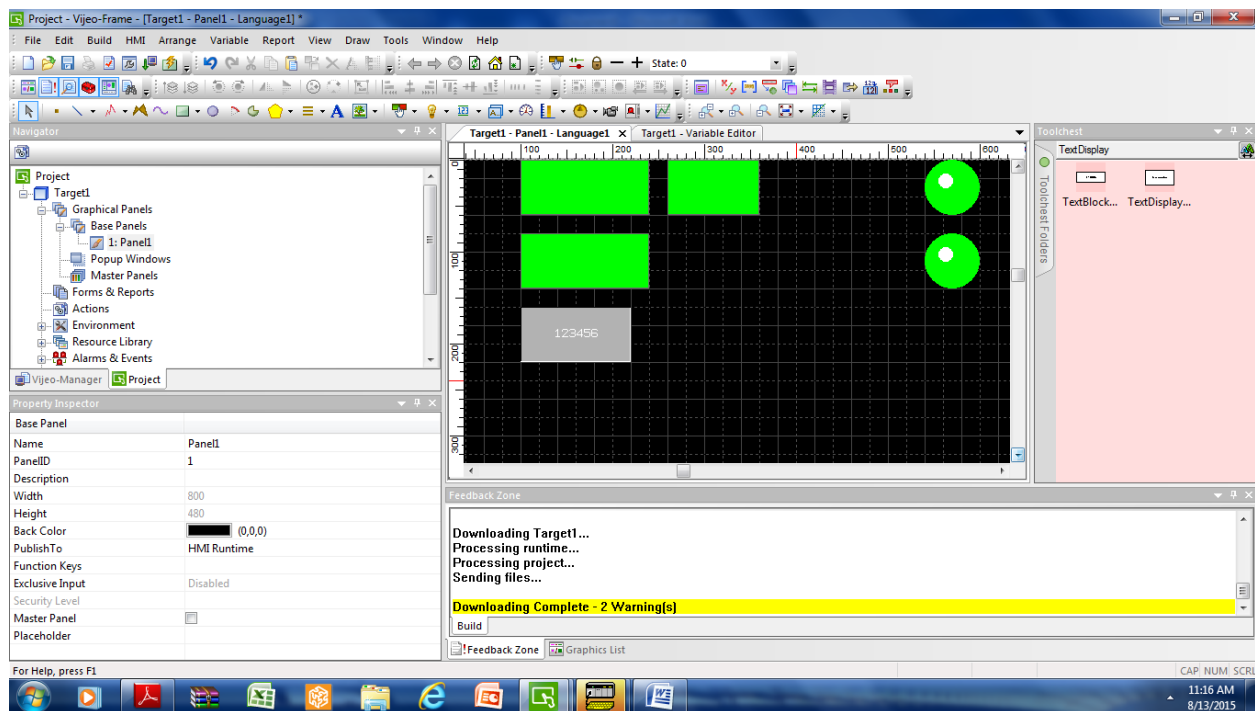
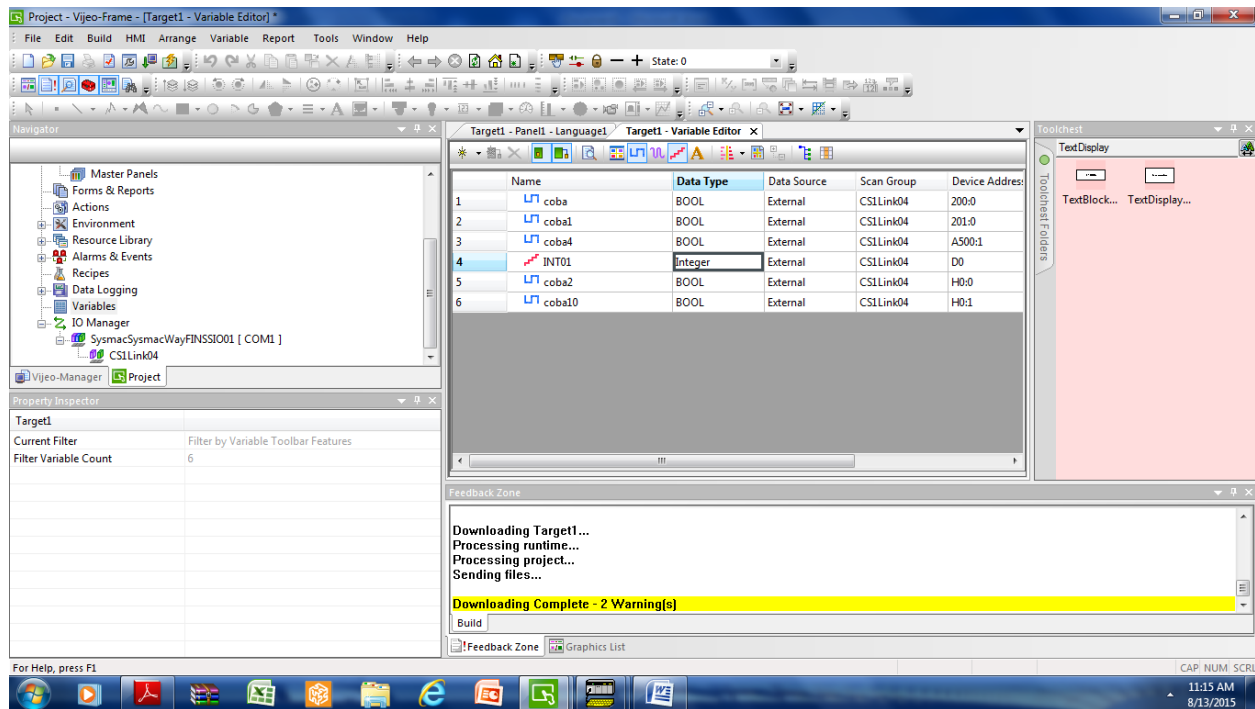
2. Baud Rate recommended using at High Speed Capacity (115200), when using default mode at (19200) will get slow response both for command or feedback



3. Network and Unit Number can be made in custom depend on the existing network

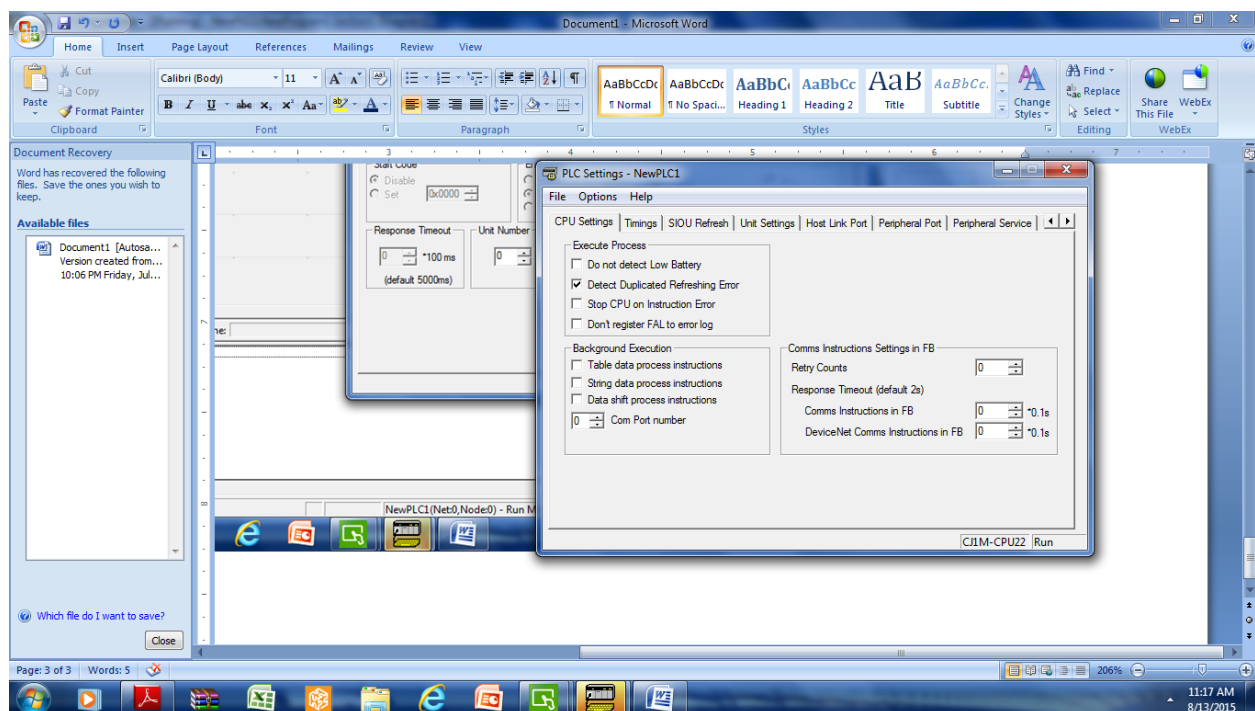
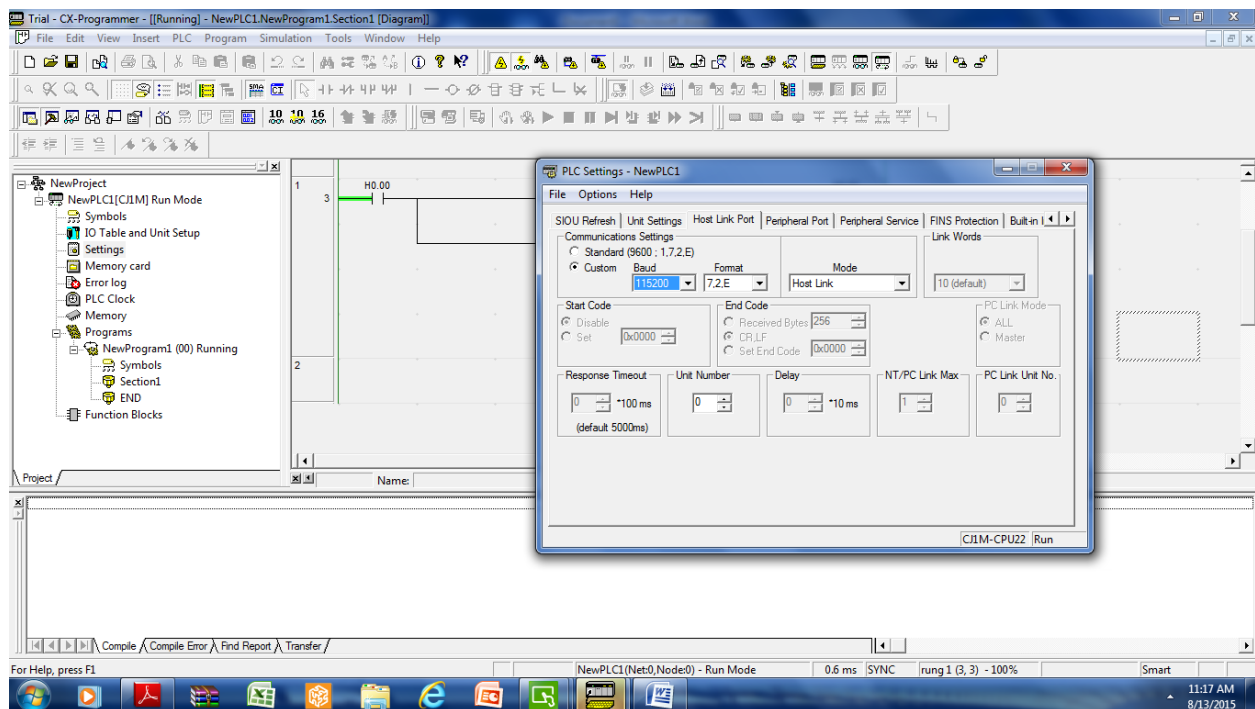


4. When using FINS protocol the address automatically same with PLC address

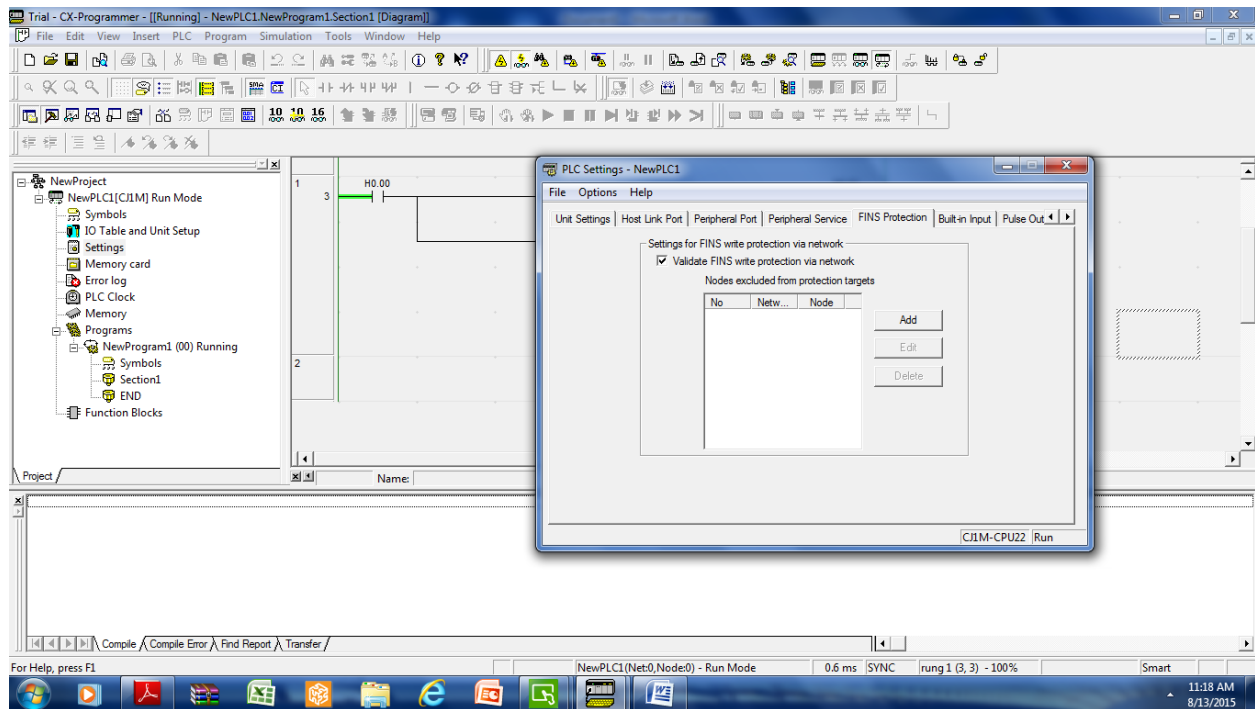


PLC Setting

1. Mandatory using Host link Protocol



2. When Using FINS network , don't forget to check the validate FINS network Protection (this Function refer to disable the write command Protection from another device over the network)



Section 4; Online Testing

Online testing :

1. Download the program to PLC
 2. If the connection success the HMI can read or write the variable as per sequence program
 3. Test your program
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Section 5; Remark

Vijeo Designer is powerful and easy program which provide multi driver that can easily connect to other third party device PLC.

The variable from the HMI can automatically adapt per symbol and address from PLC program.

Every step by step connection is recorded clearly on manual step just click F1 on vijeo designer software to get the detail information.

The driver is also tested already, so engineer doesn't need to be worry, just ensure the connection cable and protocol setting is correct
