

M340 connect to ATV Process

What is the purpose

Shows how easy to perform FDT DTM technology in Ethernet devices

What units are effected

1. M340 PLC
 2. ATV Process
 3. NOC module
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Details

This application is divided into several parts

Section	Title
1	Parts List
2	Architecture System
3	Step by Step
3	Online Testing
4	Remarks

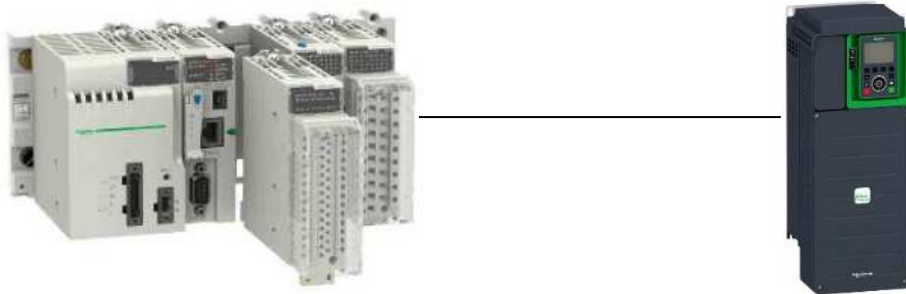
Section 1: Parts list

Parts List table

Items used in the test

Items	Part numbers	Description
PLC M340	BMXP342020	PLC Hardware
Comm Module	BMXNOC0401	Communication Module
ATV Process	ATV630 series	Altivar Process
Software	UNYSPUSFUV1X	Unity Pro V 11

Section 2: Architecture System



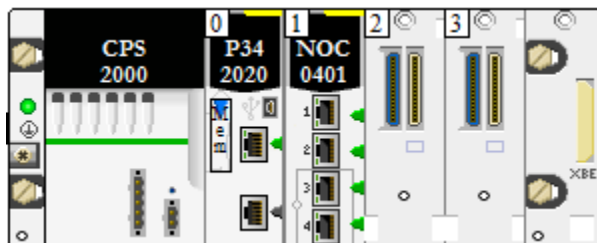
Section 2: Architecture Systemstep by step

Step by step configuration software on Unity Pro :

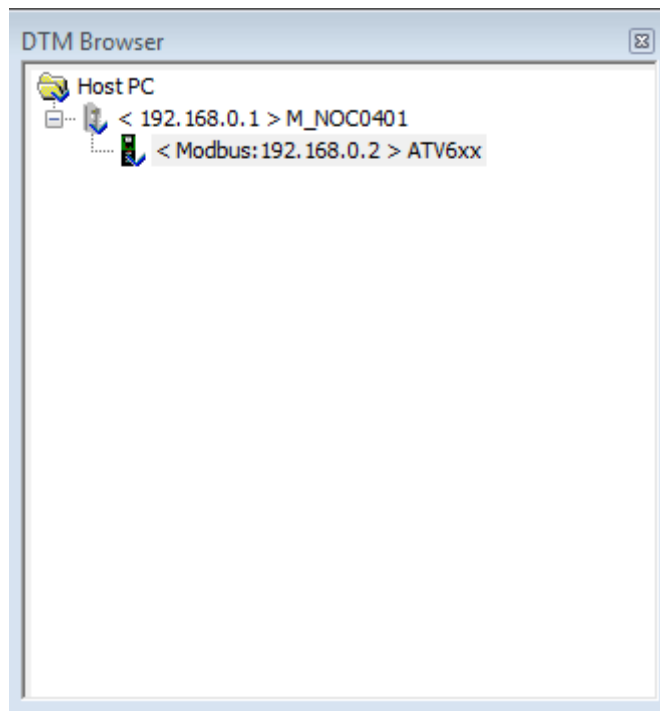
Hardware Configuration:

PLC setting

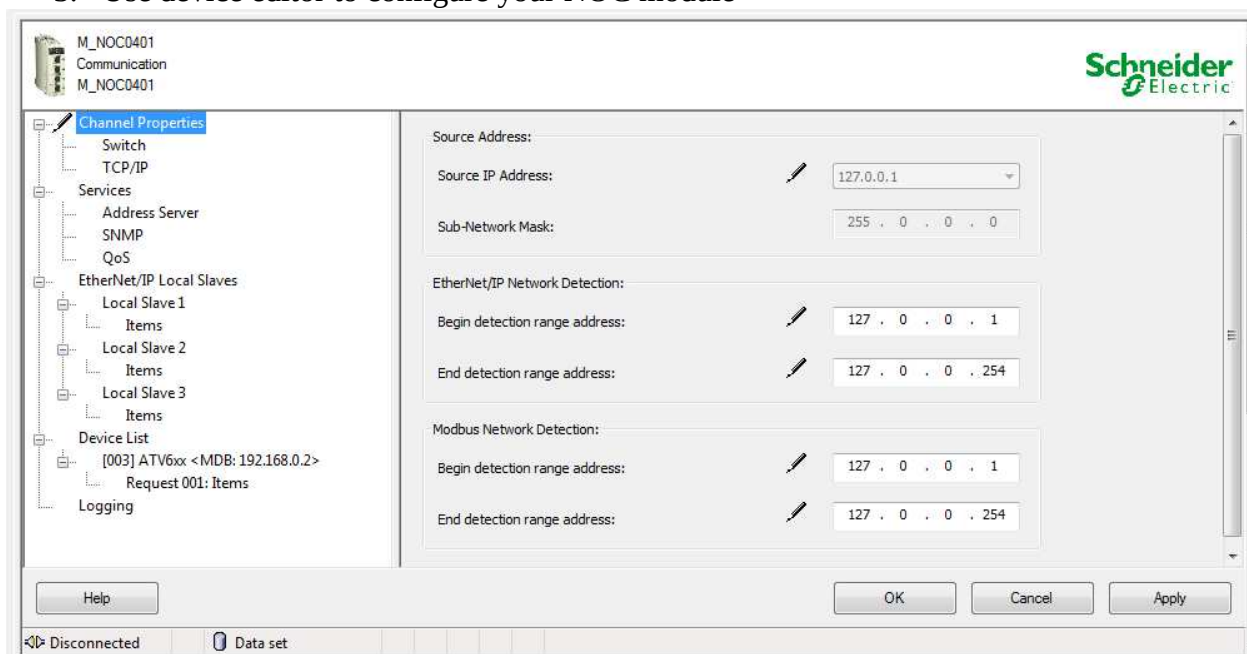
1. Configure the PLC module :



2. Configure the DTM browser



3. Use device editor to configure your NOC module



4. Configure the advantys ATV (so machine inside unity pro, by right click on the DTM browser device) :

Section 4: Online Testing

Online testing :

1. Download the PLC program to the M340 and ATV Process
2. Test the program
3. If connection success, Animation table will show the result for communication data between input and output

ATV500_IN		T_ATV500_IN
ETA	2#0000_0110_0011_0111	WORD
RFR	500	INT
LFR	0	UINT
OPR	0	INT
ATV500_OUT		T_ATV500_OUT
CMD	1	WORD
LFR	500	INT

Section 5: Remark

The FDT DTM features allows communication with every TCP IP devices become more easy, this feature also bring the Quality Of Service to be deterministic protocol.

With BMXNOC0401 module all the configuration will become single environment using Unity Pro, this can reduce the engineering time and easy for troubleshooting, and also the parameters for So Move to setting the drive configuration can be done inside unity pro.
