CIP Modbus Object Read Example

TSXETC101 using Explicit Messaging via Send_Req

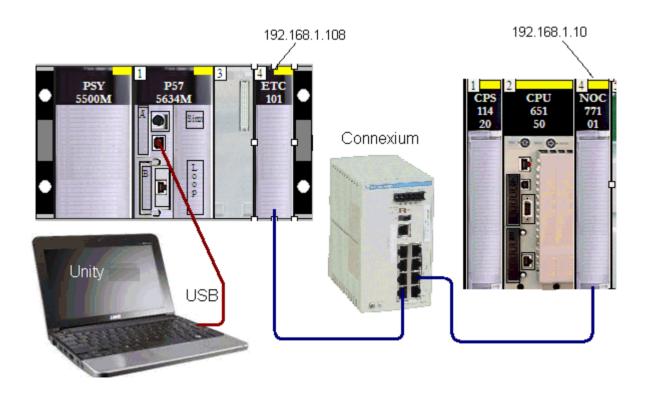
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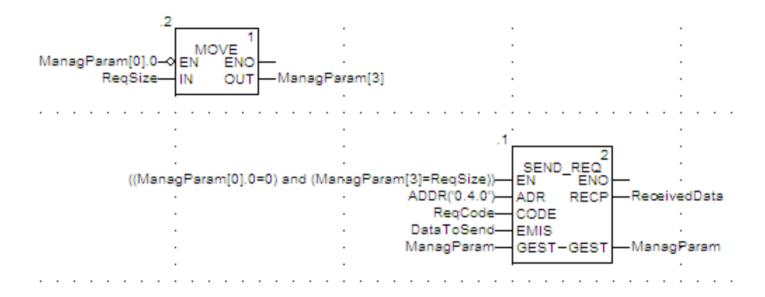
PLC Hardware Configuration

- TSXETC101 (192.168.1.108) to query NOC77101 (192.168.1.10) with Explicit Messaging CIP Modbus Object READ.
- The USB connection is for Unity to PLC communications.

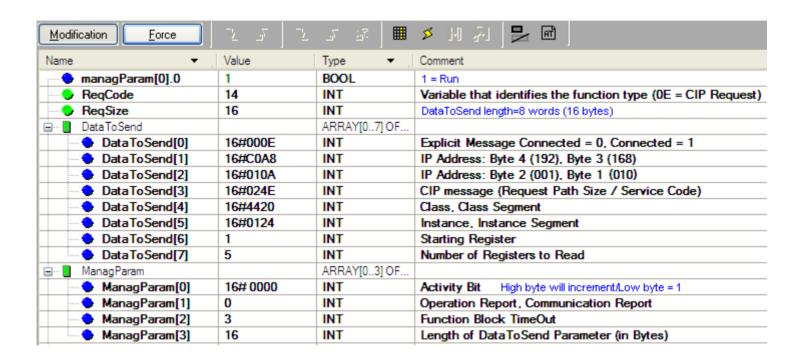


Unity Program

Note to add the 'Pin negation' on the AND_BOOL IN1 input.



CIP Request DataToSend and ManagParam



• Set managParam = 1 to start the messaging.

CIP Response Received Data

• The values are read from IP 192.168.1.10, memory words %MW1 through %MW5 and are placed in ReceivedData[2] through ReceivedData[6] respectively, in this example.

- ■ Received Data		ARRAY[010] O	
- ReceivedData[0]	16#00CE	INT	
🔷 ReceivedData[1]	0	INT	
🔷 ReceivedData[2]	111	INT	Register 1 Data read from Quantum PLC
• ReceivedData[3]	222	INT	Register 2 Data read from Quantum PLC
🔷 ReceivedData[4]	333	INT	Register 3 Data read from Quantum PLC
🔷 ReceivedData[5]	444	INT	Register 4 Data read from Quantum PLC
🔷 ReceivedData[6]	555	INT	Register 5 Data read from Quantum PLC
ReceivedData[7]	0	INT	