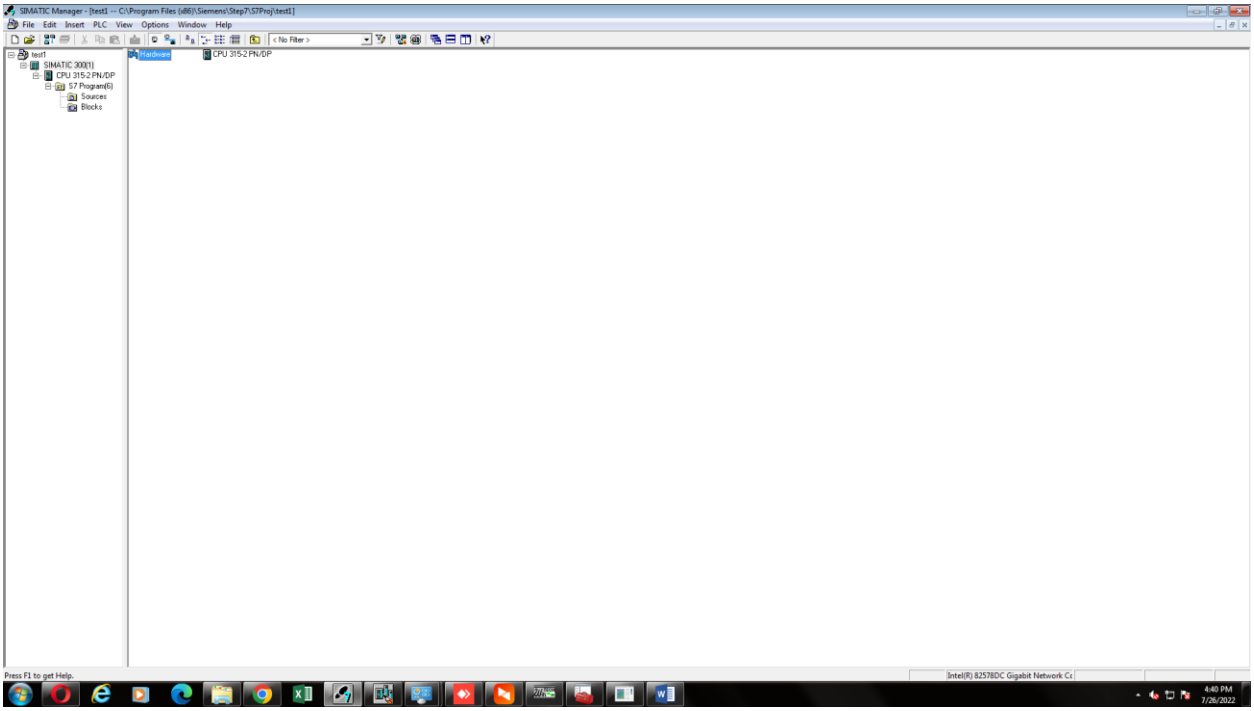
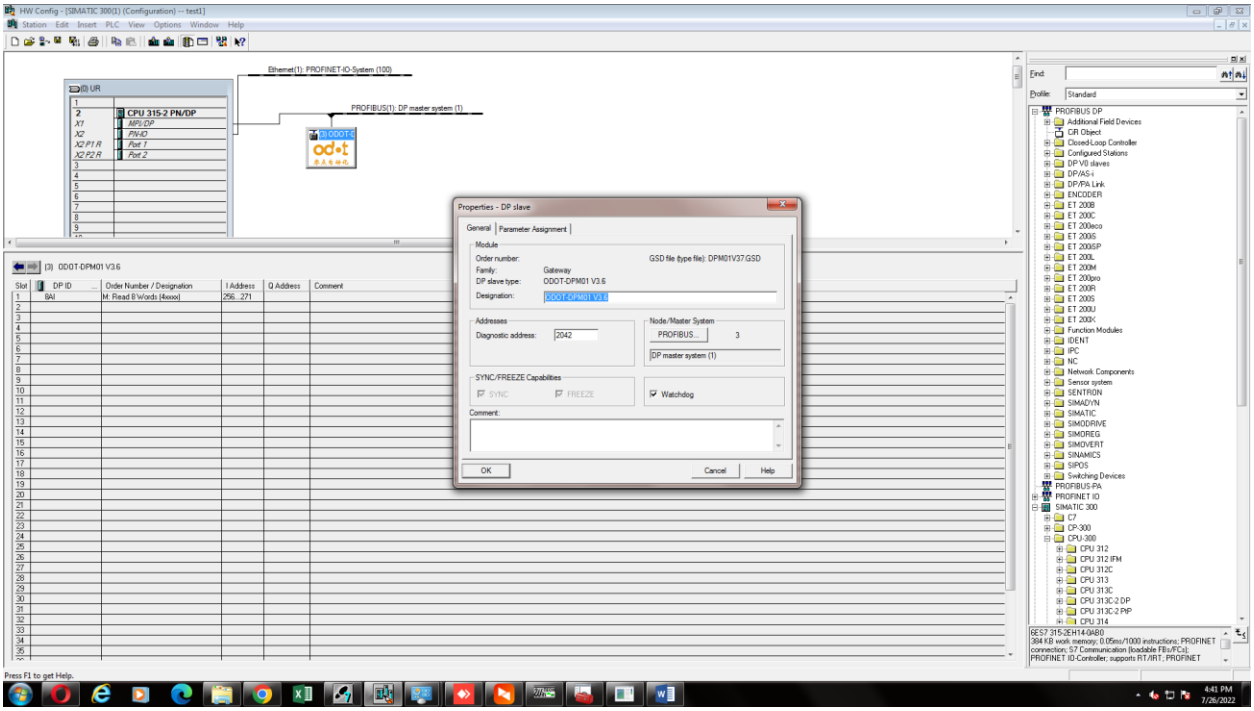
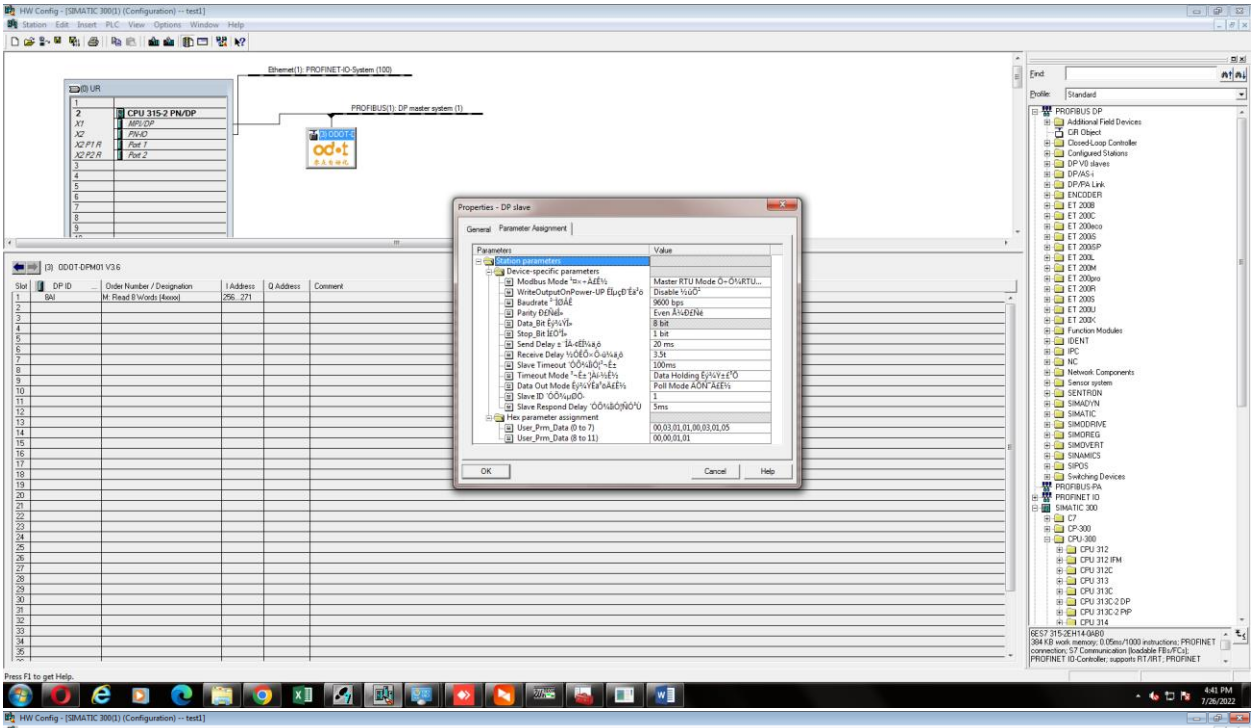
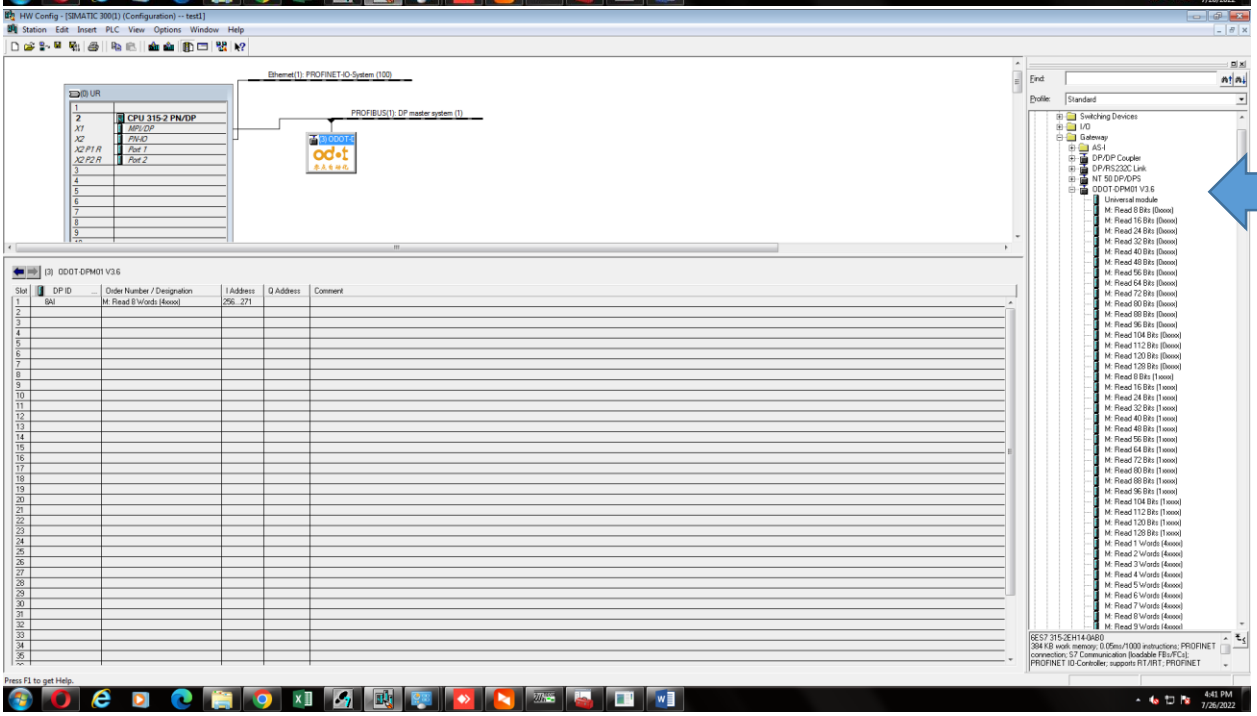
ODOT-DPM01

ODOT Modbus to profibus converter with Siemens PLC (S7-300)(simatic manager)






HW Config - [SIMATIC 300(1) (Configuration) -- test1]
Station Edit Insert PLC View Options Window Help
Ethernet(1): PROFINET-IO-System (100)
PROFIBUS(1): DP master system (1)
(0) UR
CPU 315-2 PN/DP
MPI/DP
PN-IO
Port 1
Port 2
ODOT-E
Properties - DP slave
General
Parameter Assignment
Parameters
Value
Station parameters
Device-specific parameters
Modbus Mode
Master RTU Mode Ö¬Ö¼RTU...
WriteOutputOnPower-UP
Disable
Baudrate
9600 bps
Parity
Even
Data_Bit
8 bit
Stop_Bit
1 bit
Send Delay
20 ms
Receive Delay
3.5t
Slave Timeout
100ms
Timeout Mode
Data Holding
Data Out Mode
Poll Mode
Slave ID
1
Slave Respond Delay
5ms
Hex parameter assignment
User_Prm_Data (0 to 7)
00,03,01,01,00,03,01,05
User_Prm_Data (8 to 11)
00,00,01,01
OK
Cancel
Help
(3) ODOT-DPM01 V3.6
Slot
DP ID
Order Number / Designation
I Address
Q Address
Comment
8AI
M: Read 8 Words (4xxxx)
256...271
Find:
Profile:
Standard
PROFIBUS DP
Additional Field Devices
CiR Object
Closed-Loop Controller
Configured Stations
DP V0 slaves
DP/AS-i
DP/PA Link
ENCODER
ET 200B
ET 200C
ET 200eco
ET 200S
ET 200SP
ET 200L
ET 200M
ET 200pro
ET 200R
ET 200S
ET 200U
ET 200X
Function Modules
IDENT
IPC
NC
Network Components
Sensor system
SENTRON
SIMADYN
SIMATIC
SIMODRIVE
SIMOREG
SIMOVERT
SINAMICS
SIPOS
Switching Devices
PROFIBUS-PA
PROFINET IO
SIMATIC 300
C7
CP-300
CPU-300
CPU 312
CPU 312 IFM
CPU 312C
CPU 313
CPU 313C
CPU 313C-2 DP
CPU 313C-2 PtP
CPU 314
6ES7 315-2EH14-0AB0
384 KB work memory; 0.05ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; supports RT/IRT; PROFINET
Press F1 to get Help.
4:41 PM
7/26/2022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(3) ODOT-DPM01 V3.6
Slot
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Order Number / Designation
I Address
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8AI
M: Read 8 Words (4xxxx)
256...271
Find:
Profile:
Standard
Switching Devices
I/O
Gateway
AS-i
DP/DP Coupler
DP/RS232C Link
NT 50 DP/DPS
ODOT-DPM01 V3.6
Universal module
M: Read 8 Bits (0xxxx)
M: Read 16 Bits (0xxxx)
M: Read 24 Bits (0xxxx)
M: Read 32 Bits (0xxxx)
M: Read 40 Bits (0xxxx)
M: Read 48 Bits (0xxxx)
M: Read 56 Bits (0xxxx)
M: Read 64 Bits (0xxxx)
M: Read 72 Bits (0xxxx)
M: Read 80 Bits (0xxxx)
M: Read 88 Bits (0xxxx)
M: Read 96 Bits (0xxxx)
M: Read 104 Bits (0xxxx)
M: Read 112 Bits (0xxxx)
M: Read 120 Bits (0xxxx)
M: Read 128 Bits (0xxxx)
M: Read 8 Bits (1xxxx)
M: Read 16 Bits (1xxxx)
M: Read 24 Bits (1xxxx)
M: Read 32 Bits (1xxxx)
M: Read 40 Bits (1xxxx)
M: Read 48 Bits (1xxxx)
M: Read 56 Bits (1xxxx)
M: Read 64 Bits (1xxxx)
M: Read 72 Bits (1xxxx)
M: Read 80 Bits (1xxxx)
M: Read 88 Bits (1xxxx)
M: Read 96 Bits (1xxxx)
M: Read 104 Bits (1xxxx)
M: Read 112 Bits (1xxxx)
M: Read 120 Bits (1xxxx)
M: Read 128 Bits (1xxxx)
M: Read 1 Words (4xxxx)
M: Read 2 Words (4xxxx)
M: Read 3 Words (4xxxx)
M: Read 4 Words (4xxxx)
M: Read 5 Words (4xxxx)
M: Read 6 Words (4xxxx)
M: Read 7 Words (4xxxx)
M: Read 8 Words (4xxxx)
M: Read 9 Words (4xxxx)
6ES7 315-2EH14-0AB0
384 KB work memory; 0.05ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; supports RT/IRT; PROFINET
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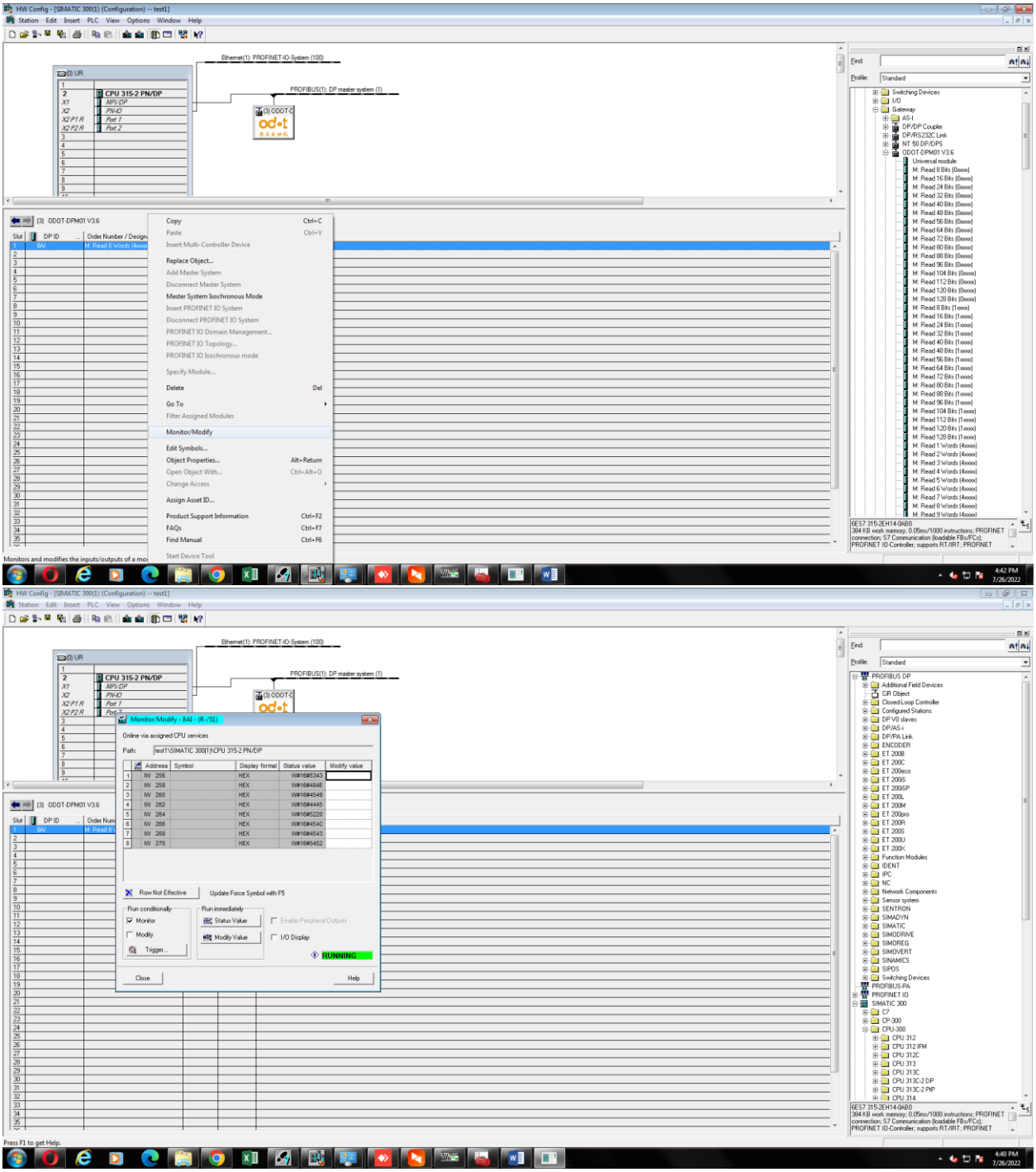

- *** The process mapping area of S7-300 is 128 words by default, and the allocation gateway often exceeds this amount, so it is necessary to expand the process mapping area to 512 or 1024 in the CPU properties.**

There are two problems with your setup today. The first is that the command start address should start at 0 instead of 40001.

the 4 of 40001 which refers to area 4.

The second is that the process mapping area of S7-300 is 128 words by default, and the allocation gateway often exceeds this amount, so it is necessary to expand the process mapping area to 512 or 1024 in the CPU properties.

- **Below is the chat were we getting support for ODOT**

[4:12 PM, 7/26/2022] Odot Automation Raphel: Not resolved?

[4:12 PM, 7/26/2022] Odot Automation Raphel: The configuration we checked is no problem now.

[4:12 PM, 7/26/2022] BluBoxx Tech Support: i am online

[4:13 PM, 7/26/2022] Odot Automation Raphel: Still any issue?

[4:13 PM, 7/26/2022] BluBoxx Tech Support: so why the valu not show in programming software

[4:13 PM, 7/26/2022] BluBoxx Tech Support: value

[4:14 PM, 7/26/2022] Odot Automation Raphel: Ok pls wait we need to set the process mapping data

[4:22 PM, 7/26/2022] Odot Automation Raphel: We have completed the mapping data configuration.

[4:23 PM, 7/26/2022] Odot Automation Raphel: Please download the configuration on your PLC

[4:25 PM, 7/26/2022] BluBoxx Tech Support: pl share the how to mapping data configuration

[4:26 PM, 7/26/2022] Odot Automation Raphel: My engineer has already configured for you

[4:26 PM, 7/26/2022] BluBoxx Tech Support: sir its only for the demo sir

[4:27 PM, 7/26/2022] BluBoxx Tech Support: we dont now how to mapping data configuration

[4:28 PM, 7/26/2022] Odot Automation Raphel: You download our configuration into the PLC and save it.

[4:28 PM, 7/26/2022] Odot Automation Raphel: I will ask our engineer to check for you tomorrow

[4:28 PM, 7/26/2022] BluBoxx Tech Support: we have 10 to 20 sevral other device

[4:29 PM, 7/26/2022] Odot Automation Raphel: But you only have 1pc of DPM01

[4:30 PM, 7/26/2022] Odot Automation Raphel: Pls test if now the demo test is ok today.

[4:30 PM, 7/26/2022] Odot Automation Raphel: If it is ok and tomorrow I will ask our engineer to give me details for how to configure the mapping

[4:31 PM, 7/26/2022] BluBoxx Tech Support: can u pl repet the process the mapping data so i can be take a video of it

[4:32 PM, 7/26/2022] Odot Automation Raphel: Ok we can do it tomorrow. When you are available tomorrow? We will could connect you again.

[4:47 PM, 7/26/2022] BluBoxx Tech Support: hello sir i am at customer site now

[4:48 PM, 7/26/2022] BluBoxx Tech Support: kindly tell about how to mapping data configuration for the same

[4:49 PM, 7/26/2022] BluBoxx Tech Support: at our office we dont have pLC and programimg softeare

[4:51 PM, 7/26/2022] Odot Automation Raphel: My engineer is not in the office now. But I will try to translation the process of configuration and send to you.

[4:51 PM, 7/26/2022] BluBoxx Tech Support: Ok sir thanks

[5:58 PM, 7/26/2022] Odot Automation Raphel: There are two problems with your setup today. The first is that the command start address should start at 0 instead of 40001.

the 4 of 40001 which refers to area 4.

The second is that the process mapping area of S7-300 is 128 words by default, and the allocation gateway often exceeds this amount, so it is necessary to expand the process mapping area to 512 or 1024 in the CPU properties.

[12:38 PM, 7/27/2022] BluBoxx Tech Support: we have a temperature sensor these values start from 30001 it is an input registry so which register should we use to get the proper value,

[12:39 PM, 7/27/2022] Odot Automation Raphel: My engineer suggested for function code 4 and start to read from 0

[12:46 PM, 7/27/2022] BluBoxx Tech Support: we are a little bit confused about why there set 0 value instead of 40001, we have many types of Modbus devices here, so that can be set parameters as per registers so we just want just clarify about we have 10 Modbus devices here and how those devices are configure and set parameters in the programming soft

[1:44 PM, 7/27/2022] Odot Automation Raphel: 40001 is for area 4 not the value

[1:45 PM, 7/27/2022] Odot Automation Raphel: We set it as 40001 to 40010 which address is from 0 to 9. It is two different description for mapping

[2:26 PM, 7/27/2022] BluBoxx Tech Support: ok

[2:28 PM, 7/27/2022] BluBoxx Tech Support: if i want map the input register (start form 30001) what i need to configure in parameter to get values

[2:30 PM, 7/27/2022] BluBoxx Tech Support: we have other device were we need to set a proper register number to get value

[3:30 PM, 7/27/2022] BluBoxx Tech Support: 1. COIL STATUS , 2. INPUT STATUS, 3. HOLDING REGISTER, 4. INPUT REGISTER

[3:32 PM, 7/27/2022] BluBoxx Tech Support: pl provide which parameter is use to get the correct value for this registry

[3:56 PM, 7/27/2022] Odot Automation Raphel: I will check with my engineer and reply you tomorrow thanks

[4:12 PM, 7/27/2022] BluBoxx Tech Support: ok

[4:12 PM, 7/27/2022] Odot Automation Raphel: Thanks I will reply you tomorrow.

[4:12 PM, 7/27/2022] BluBoxx Tech Support: ok sir thank

[12:25 PM, 7/28/2022] Odot Automation Raphel: Good afternoon. For 30001, it means 1st number in area 3, so you need use 0 as the start address.

[12:26 PM, 7/28/2022] Odot Automation Raphel: It needs to read area 3 with the start address of 0

[12:26 PM, 7/28/2022] Odot Automation Raphel: And please select 4. Input Register

[5:05 PM, 7/28/2022] BluBoxx Tech Support: hello sir one of our client has a question about there is two converter show on the website ODOT-DPM01 and ODOT-DPM-02 in the user manual so they just want know what is is the difference in between pl clarify about that

[5:09 PM, 7/28/2022] Odot Automation Raphel: Just for ODOT-DPM01 is correct, they are the same, just listed on the manual, we only have ODOT-DPM01 now.