PSO2020 如何添加 Modbus 串行设备

问题描述：

如何添加 Modbus 串行设备

解决方案：

步骤如下：

1. Studio – Topology – I/O Device – Express Wizard，选择相应的 Modbus 协议

2. 设置设备地址


Device Communications Wizard
You need to provide an address for your I/O Device. Press the Driver Address Help button for help on the address of the driver you have selected.
Driver Address Help
Enter an address below or accept the default.
Address:
1
Selected driver
Manufacturer: Industry Standard Protocols
Model: Modbus/RTU
Communications: 1 - Start Register, Bits In Register: 0-15
< 上一步(B)
下一步(N) >
取消
帮助

3. 下一步


Device Communications Wizard
Select this option if you will be connecting this I/O Device to a Public Switched Telephone Network (PSTN).
Connect I/O Device to PSTN
Connection schedule
HH:MM:SS
Day
Week
Month
On Startup
Synchronize at:
19:10:08
Repeat every:
19:10:08
Phone number to dial:
< 上一步(B)
下一步(N) >
取消
帮助

4. 选择串口

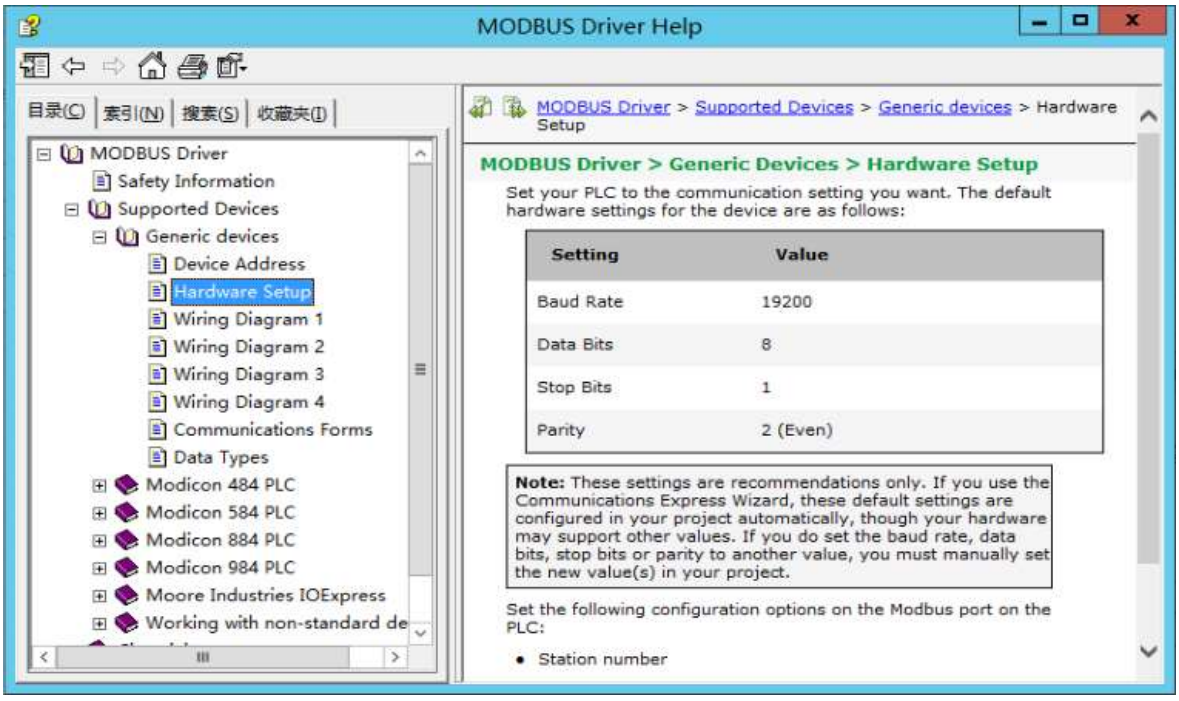

Device Communications Wizard
You have chosen to use a serial protocol. The following serial ports have been detected on your system. Please choose the one you wish this I/O Device to communicate through.
Detected serial ports:
COM1
< 上一步(B)
下一步(N) >
取消
帮助

5. 下一步


Device Communications Wizard
Select this option if you want this I/O Device to link to an external tag database.
Link I/O Device to an external tag database
Database type:
Unity SpeedLink to OFS
External tag database:
Browse...
Connection string:
Add prefix to externally linked tags
Tag prefix:
Automatic refresh of tags
Live Update
< 上一步(B)
下一步(N) >
取消
帮助

6. 完成

7. 参考驱动帮助文档设置参数



Parameters

[MODBUS]InitType

The type of variable the MODBUS protocol tries to read on startup, to allow communication to start.

Allowable Values: 1 to 4, or 20 (for extended registers access).

InitType	Address	Variable
1	00001 - 00017	Output status
2	10001 - 10017	Input status
3	40001	Output registers
4	30001	Input registers
20		General reference

Default Value: 2

If setting this parameter to 20 for extended register access, you will need to adjust the FileNumber parameter to identify the extended memory file number.

With this parameter, you can set different values for specific I/O devices or groups of I/O devices. See Device/group-specific parameters.

[MODBUS]InitUnitAddress

The MODBUS driver reads the citect.ini file to determine the correct unit address for initialization of a PLC. InitUnitAddress is the parameter used to set the unit address.

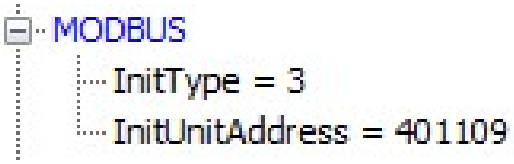
Allowable Values: 0 to 65535

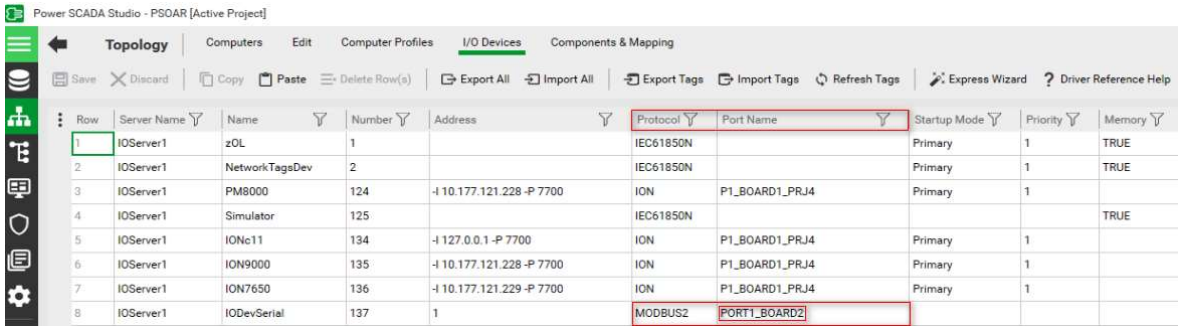
Default Value: 0

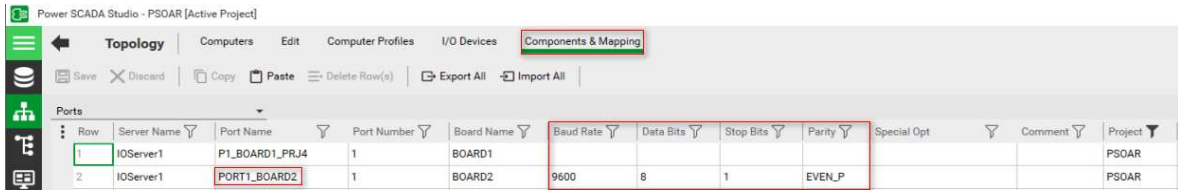
With this parameter, you can set different values for specific I/O devices or groups of I/O devices. See Device/group-specific parameters.

[MODBUS]InitType

[MODBUS]InitUnitAddress







8. 根据实际情况添加变量