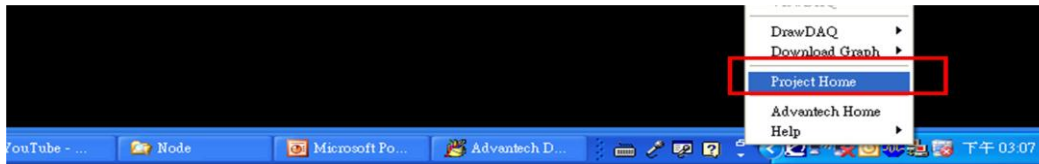


# Creating a Project Node and a SCADA Node with External Tags (Modbus/RTU)

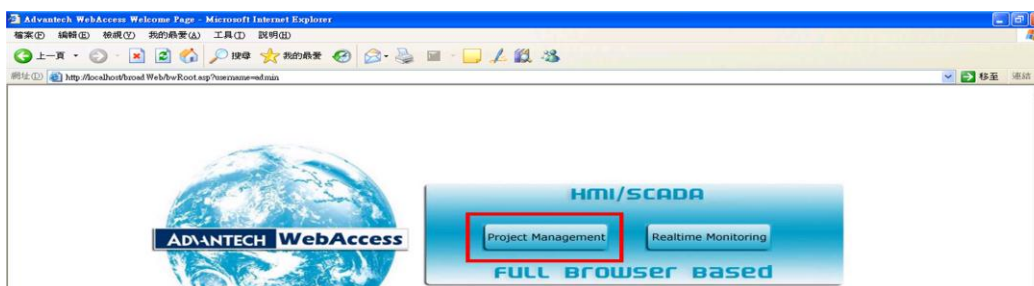




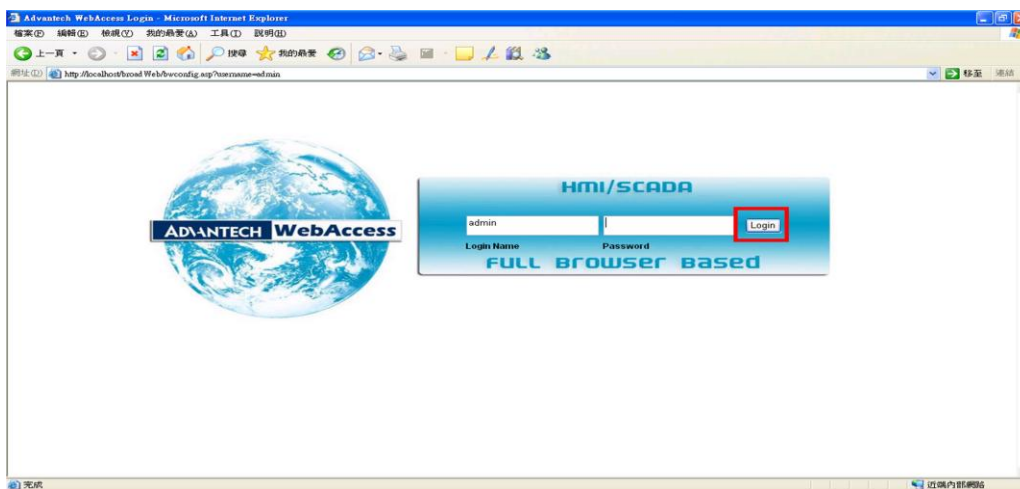
1. After finishing WebAccess installation and rebooting the computer, there will be an small computer icon in the right bottom side of the screen
2. Move mouse cursor over the WebAccess icon and clicking right button of mouse. Select “Project Home”



3. Clicking “Project Management”



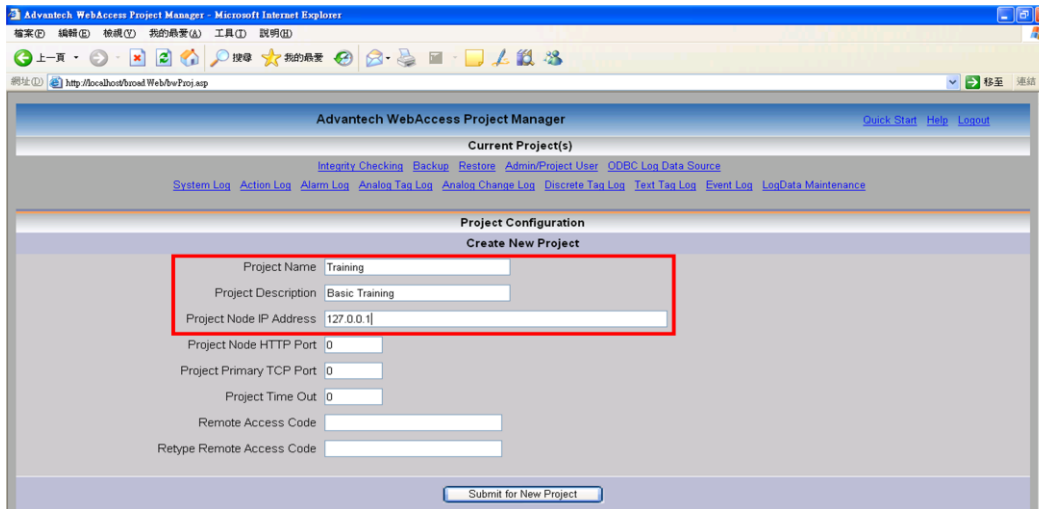
4. User name is “Admin” and there is no password in default setup.
5. Directly click “Login” button.



6. Enter Project Name (ex. Training) and IP Address(127.0.0.1)

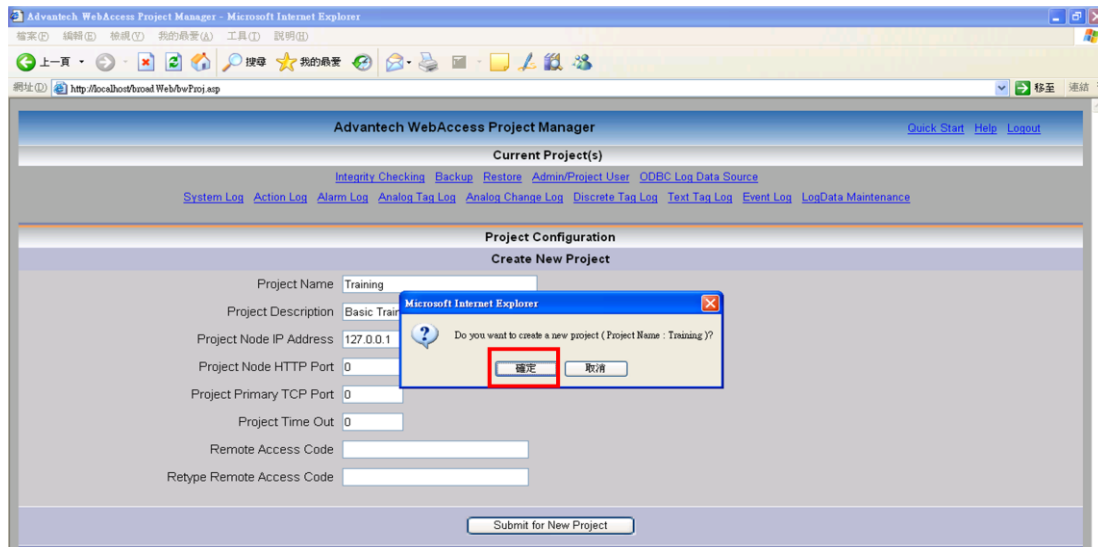
Recommend to use IP Address instead of Computer Name.

Click “Submit for New Project” after entering Project Name and IP Address



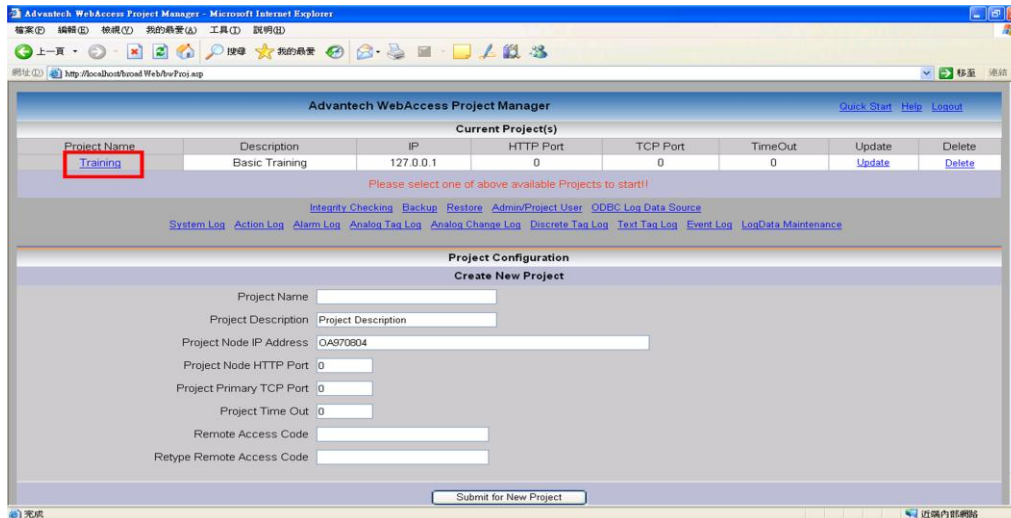
7. After clicking “Submit for New Project” button, a confirmation dialog box will pop out.

Click “Yes” to create the project

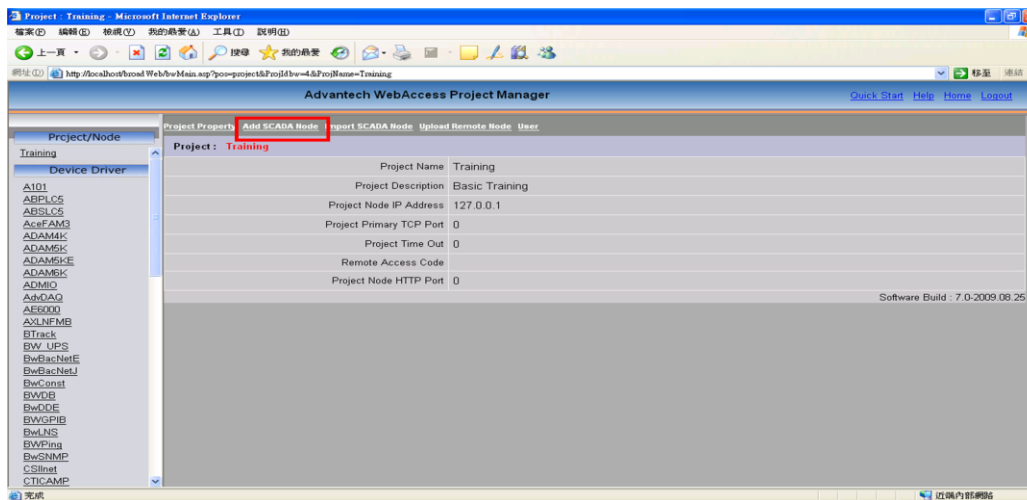


8. The Project Node is created.

Click “Training” to create a SCADA Node

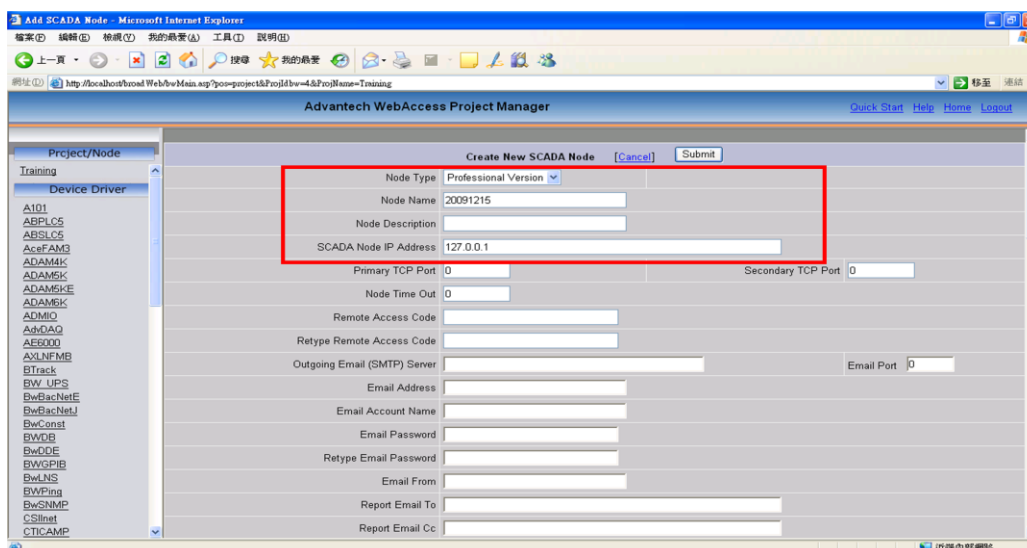


9. Click “Add SCADA Node”

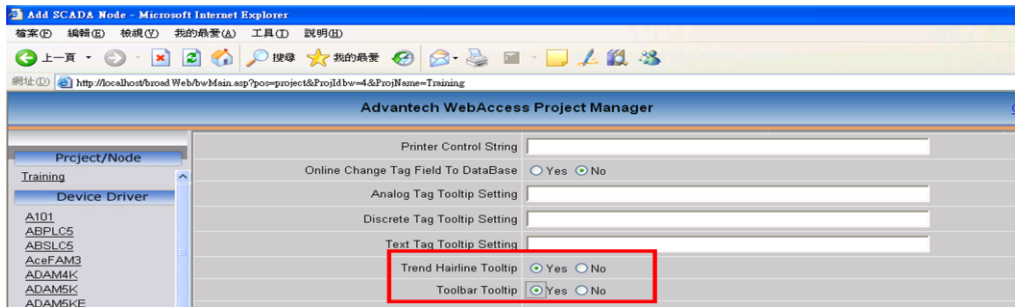


10. Node Type: Professional Version (depend on your computer)

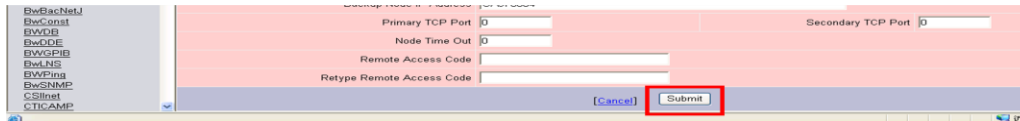
Node Name (ex. 20091215) and IP Address (ex. 127.0.0.1)



11. Click “Yes” on both tooltips



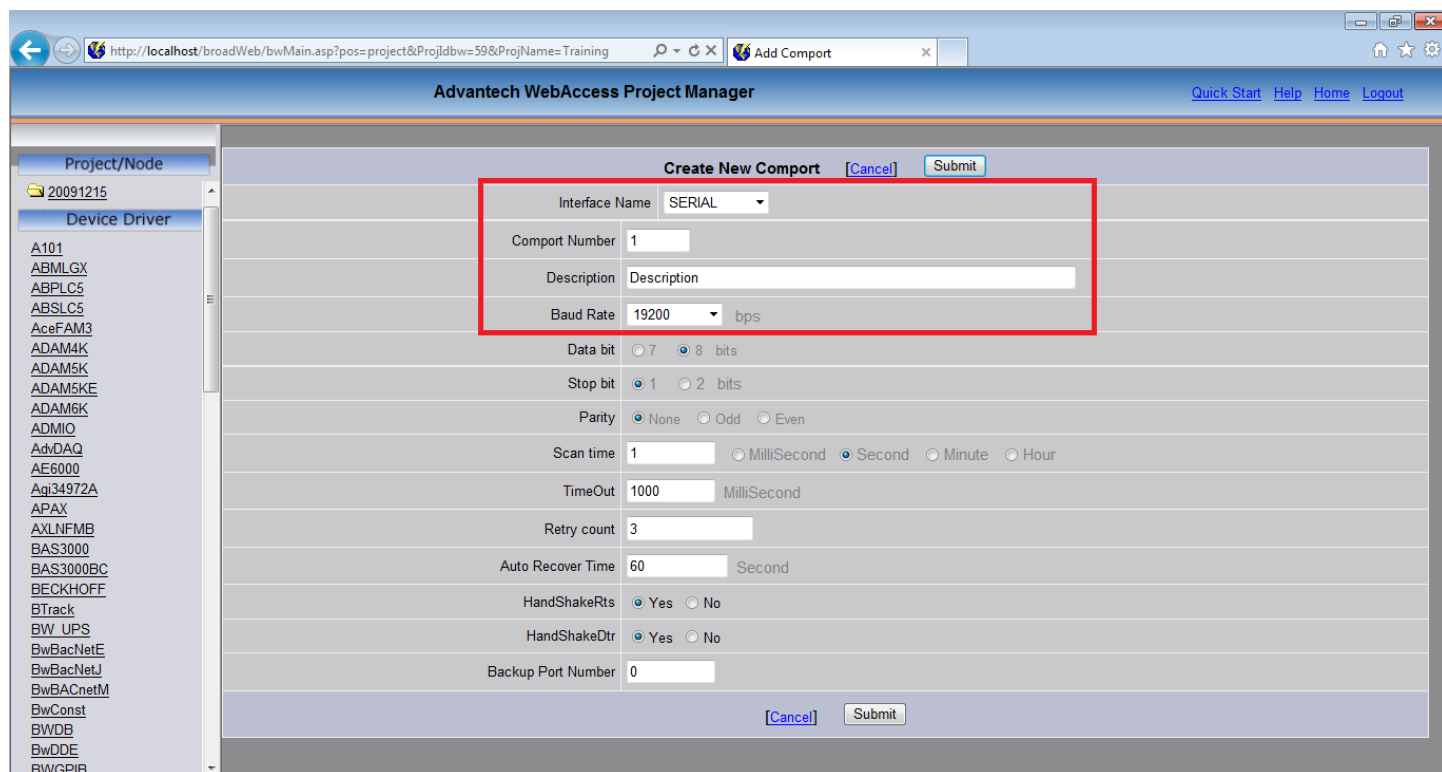
12. Click “Submit”



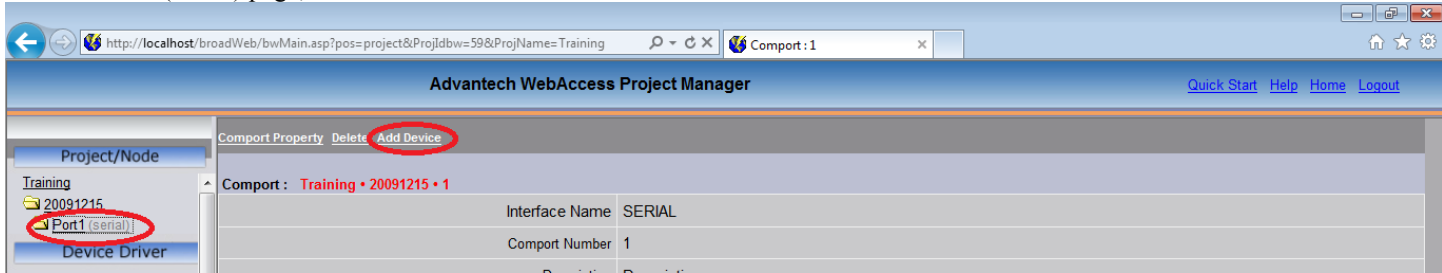
13. SCADA Node is created; click “Add Comport”



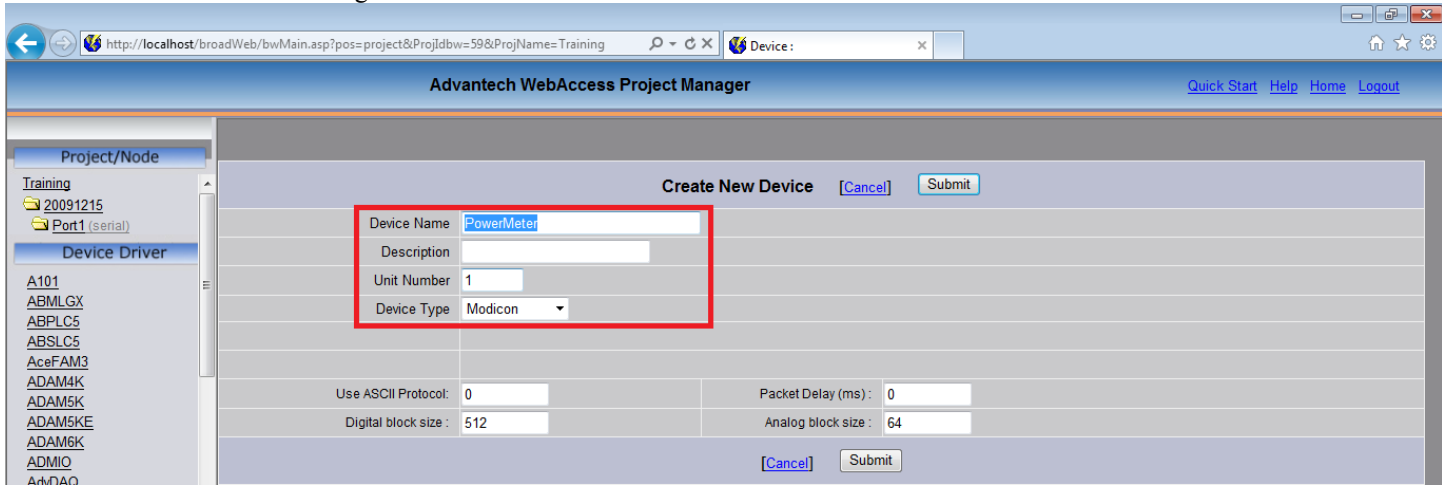
14. Select “SERIAL” in Interface Name, select the correct Comport Number and Baud Rate, then click “Submit”



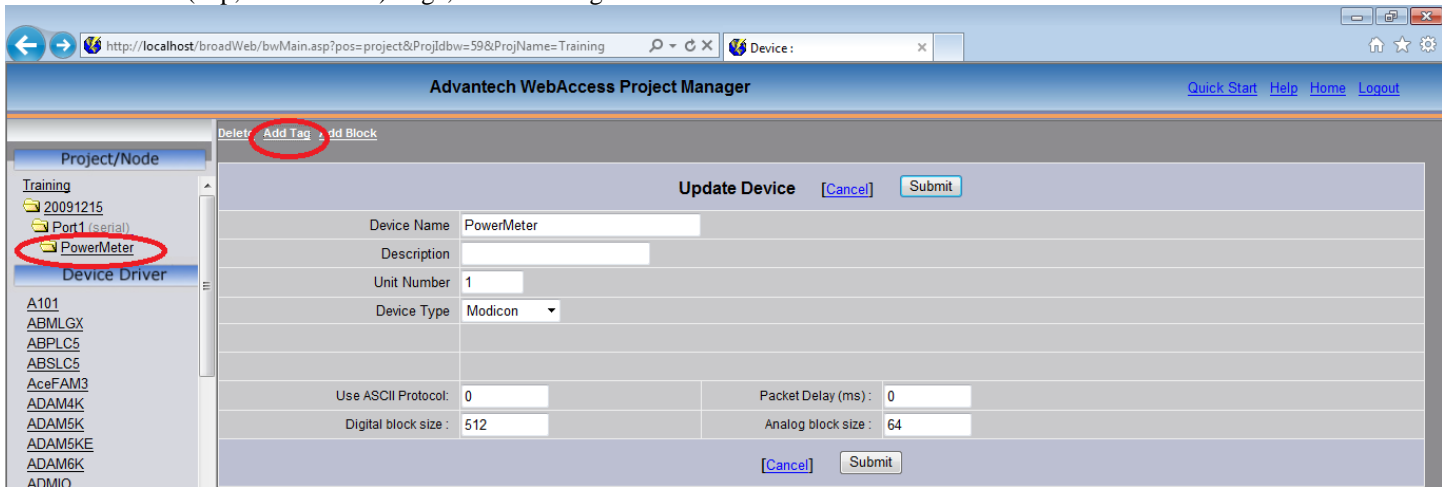
15. From the Port1(Serial) page, click “Add Device”.



16. From the “Create New Device” page, Select “Modicon” as Device Type. Key in the Device Name (exp. PowerMeter) and Make sure the Unit Number is according to Modbus/RTU’s device ID. Then click “Submit”.



17. From the Device (exp. PowerMeter) Page, click Add tag.





# Creating a Comport and a Device For Agilent 3497xA (TCP/RS232)



**34972A (TCP)**



**34970A (RS232)**



**Link (TCP / RS232)**



18. From the Create New Tag page, select Parameter (exp. AI = Analog Input), Key in Tag Name (exp. Voltage1), Key in Address by refereeing to Modbus/RTU Address number (exp. 40001). Then click “Submit”.

Advantech WebAccess Project Manager

Quick Start Help Home Logout

Create New Tag [Cancel] Submit

Parameter: AI Point (analog)

Alarm: No Alarm

Tag Name: Voltage1

Description: Description

Scan Type: Constant Scan

Address: 40001

Conversion Code: Unsigned Integer

Start bit: 0

Length: 16

Signal Reverse: ☐ Yes ☒ No

Scaling Type: No Scale

Scaling factor 1: 0

Scaling factor 2: 0

Log Data: ☐ Yes ☒ No

Data Log Dead Band: 3 %

Write Action Log: ☒ Yes ☐ No

Read Only: ☒ Yes ☐ No

Keep Previous Value: ☐ Yes ☒ No

Initial Value: 0

Security area: 0

Security level: 0

Span high: 1000

Span low: 0

19. From Node (20091215) page, click Add Comport.

Advantech WebAccess Project Manager

Quick Start Help Home Logout

Node Property Delete Add Comport ccPoint CalcPoint ConstPoint SysPoint FacePlate RealTimeTrend DataLogTrend AlarmGroup Recipe Video GlobalScript UserProgram DataTransfer Excel-In

Excel-Out Report Scheduler Task Scheduler Classroom Scheduler AlarmManagementSystem EventLog KeyMapping ImportExternalData DemandControl BACNet Server Config ModbusServerConfig

Start View Start Draw Download Graph Only Start Node Stop Node

Node : Training • 20091215

Node Type: Professional Version



20. From the Create New Comport Page, Select “API” in Interface Name, select the correct Comport Number (do not duplicate), then click “Submit”. [TRANE preference <Scan time:1sec, TimeOut:1000mS, Retry count:1, Auto Recover Time:10sec>]

Advantech WebAccess Project Manager

Quick Start Help Home Logout

Project/Node

Training

20091215

Port1 (serial)

PowerMeter

Voltage1

Device Driver

A101

ABMLGX

ABPLC5

ABSLC5

AceFAM3

ADAM4K

ADAM5K

ADAM5KE

Update Comport [Cancel] [Submit]

Interface Name API

Comport Number 2

Description Description

Scan time 1 ☐ MilliSecond ☒ Second ☐ Minute ☐ Hour

TimeOut 1000 MilliSecond

Retry count 1

Auto Recover Time 10 Second

[Cancel] [Submit]

21. From the Port2(api) page, click “Add Device”.

Advantech WebAccess Project Manager

Quick Start Help Home Logout

Project/Node

Training

20091215

Port1 (serial)

PowerMeter

Voltage1

Device Driver

A101

ABMLGX

ABPLC5

ABSLC5

AceFAM3

ADAM4K

ADAM5K

ADAM5KE

Comport Property Delete Add Device

Comport : Training • 20091215 • 2

Interface Name API

Comport Number 2

Description Description

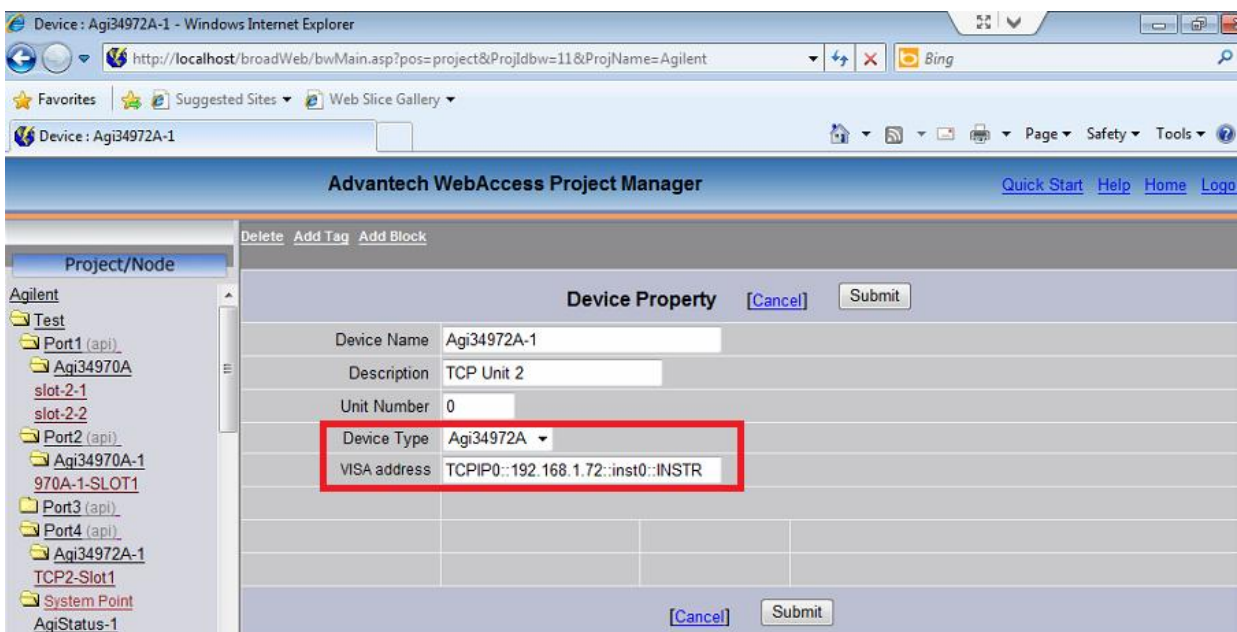
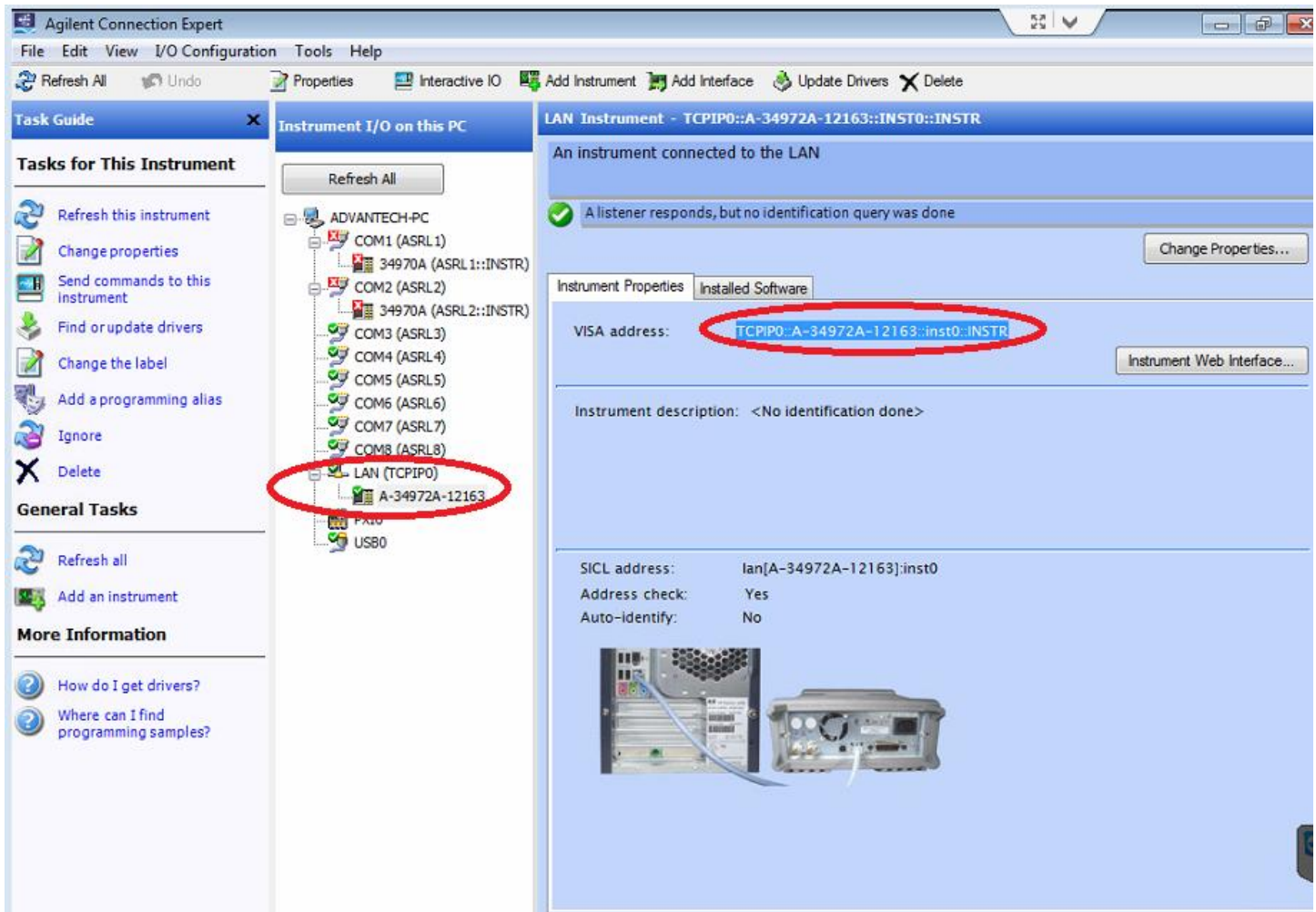
Scan time 1 Second

TimeOut 1000 MilliSecond

Retry count 1

Auto Recover Time 10 Second

## 22. For Agilent 34972A (TCP):



23. For Agilent 34970A (RS-232):

