

eLogger Quick Start V1.5.0 2015.07.07

Introduction

.NET Framework 3.5 is required before installation of eLogger. It can be downloaded from [Microsoft.com link](http://Microsoft.com).

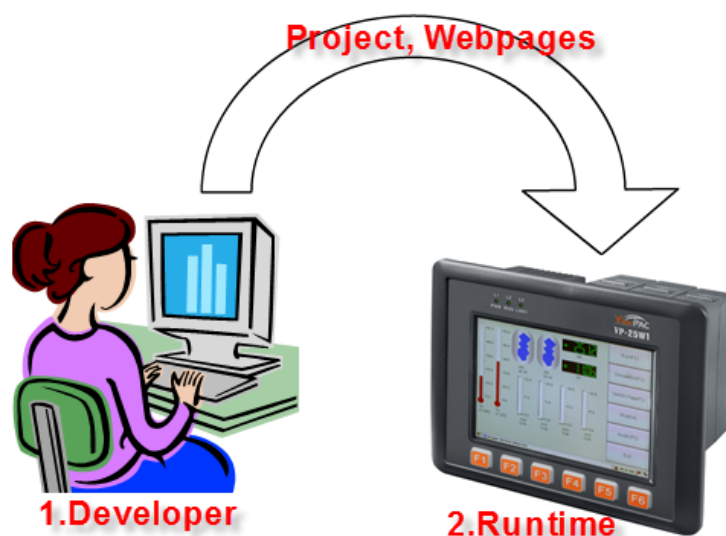
Execute **eloggersetup_vAAA_yyyymmdd.exe** (AAA stands for version, yyyymmdd stands for release date) to install eLogger Developer and eLogger Runtime.

After installation, there will be “eLogger Developer”, “eLogger Runtime” shortcut in “Programs/ICPDAS/eLogger”.



eLogger Developer is a project design program on PC side. You can install driver, add devices, assign memory tags, design the HMI and HMI web pages, and set data log.

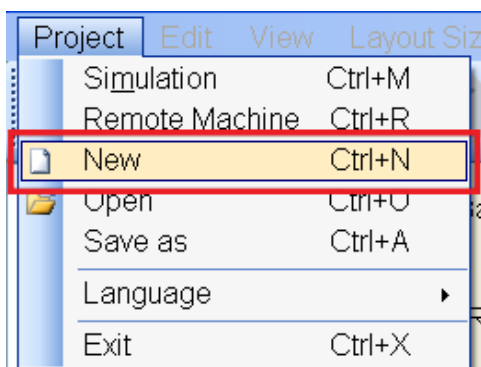
Once finish designing the project, you can copy the files in "eLogger Runtime" to PACs and copy all the files in the **copy_to_www_root** to HTTP www root and **copy_to_system_disk** to \system_disk(For WES, copy the files in **copy_to_windows** to C:\Windows), and upload the project and web pages to run.



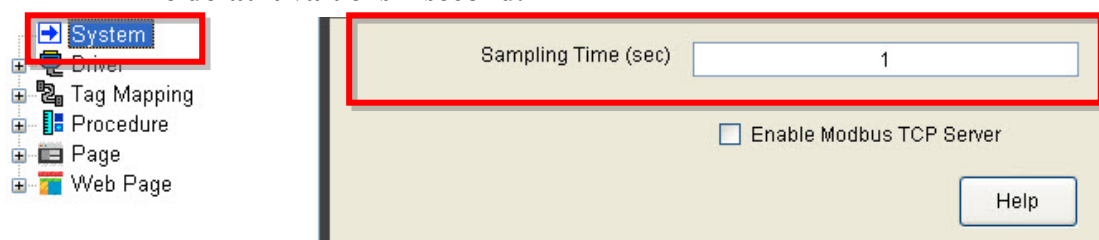
Design a Project

Preparation: a VP-25W1 of ViewPAC series, an I-87041W module, a PC which operating system is Windows 7 or before and eLogger is installed.

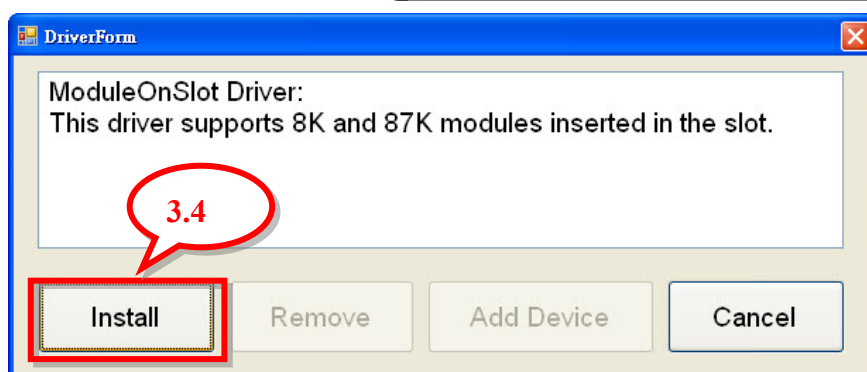
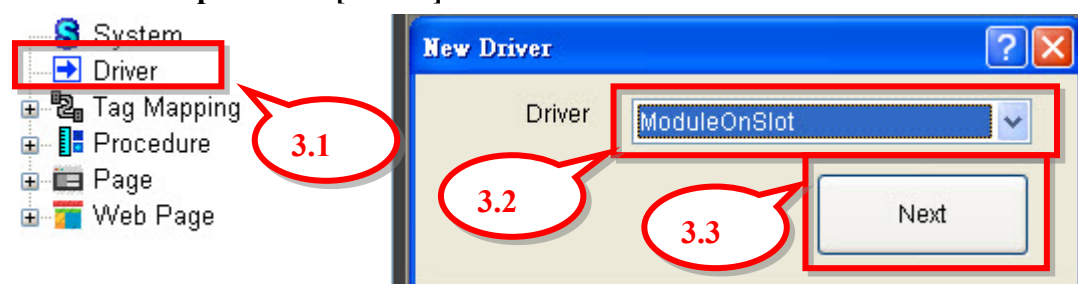
Step 1: Click [Project] → [New] to create a new project.



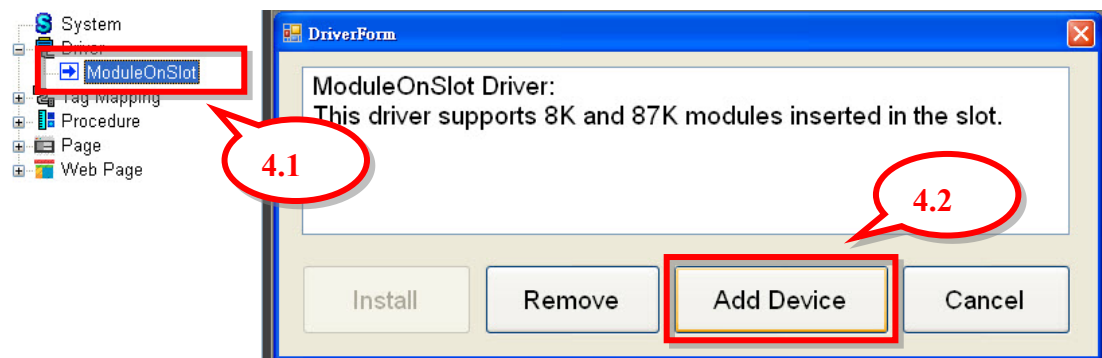
Step 2: Select [System] to open system setting window. Set the sampling time.
The default value is 1 second.



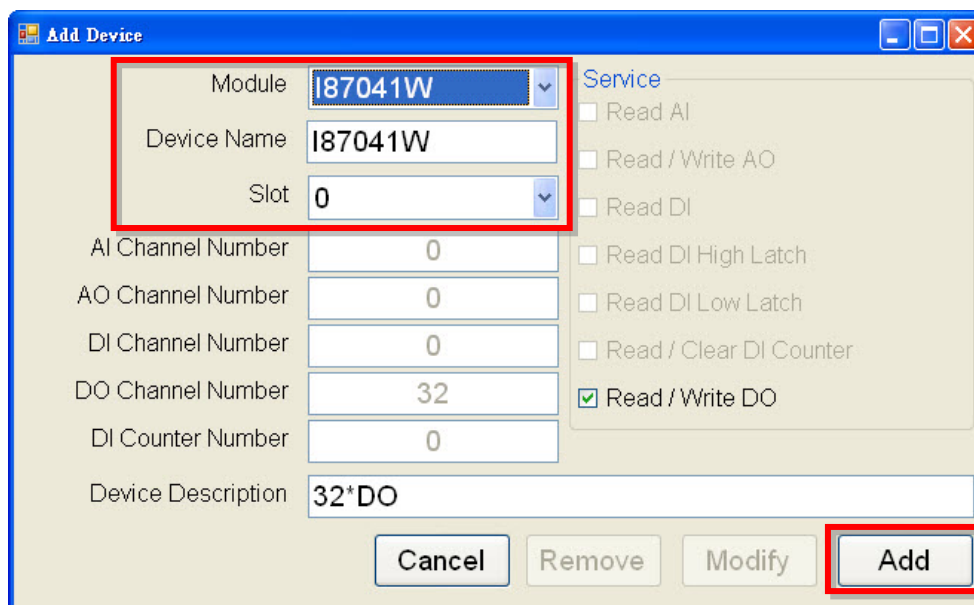
Step 3: Select a driver and click [Next]. ModuleOnSlot driver is selected in this example. Click [Install] to continue.



Step 4: Click the driver name, and then click [Add Device] to open Add Device window.



Step 5: Select a module, I-87041W in this example, and set slot number and then click [Add].



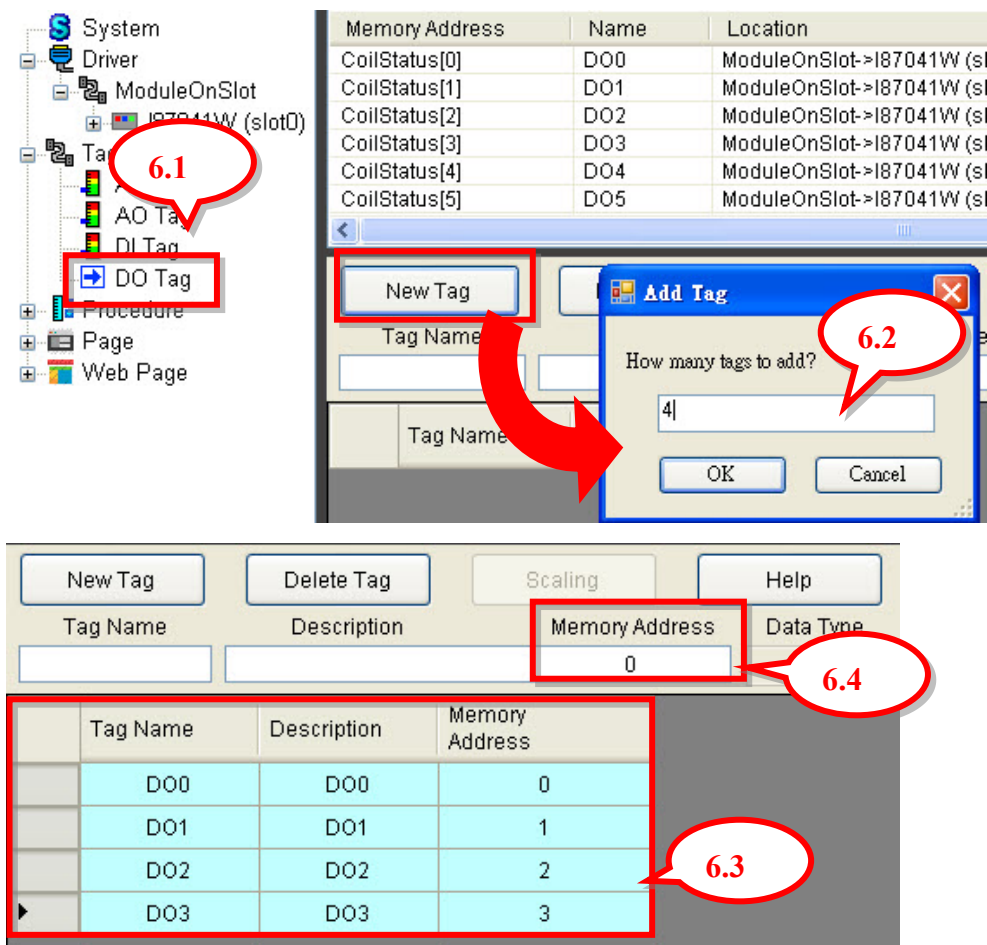
Step 6: Assign memory tags.

6.1 Select [Tag Mapping] → [DO Tag].

6.2 Click [New Tag] to add 4 new tags.

6.3 Select tag rows.

6.4 Input 0 in Memory Address text field and press enter.

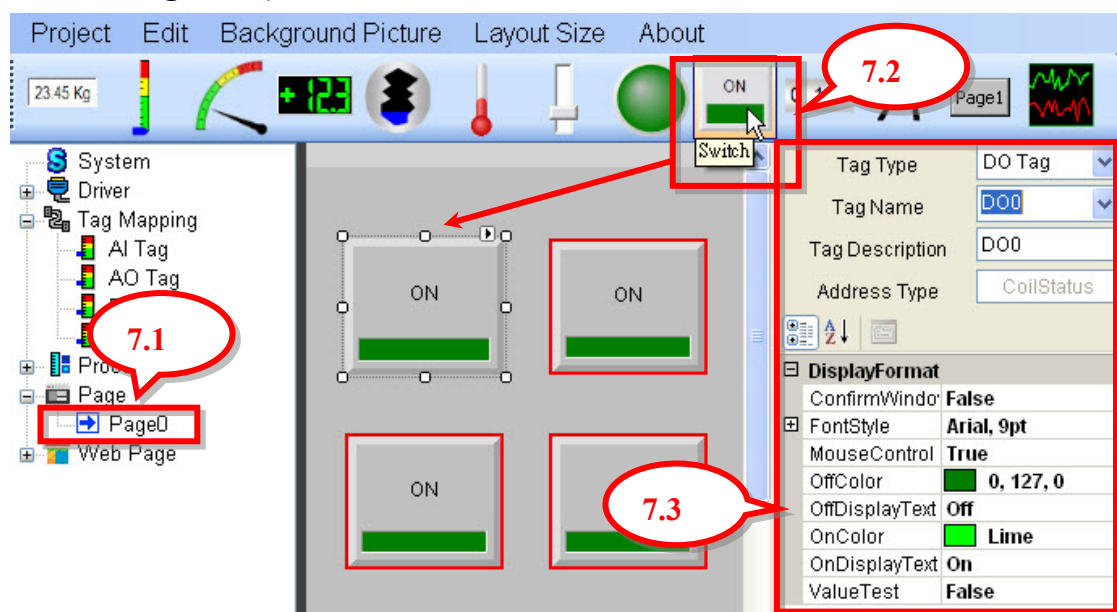


Step 7: Add HMI Component to control DO, and set the tag.

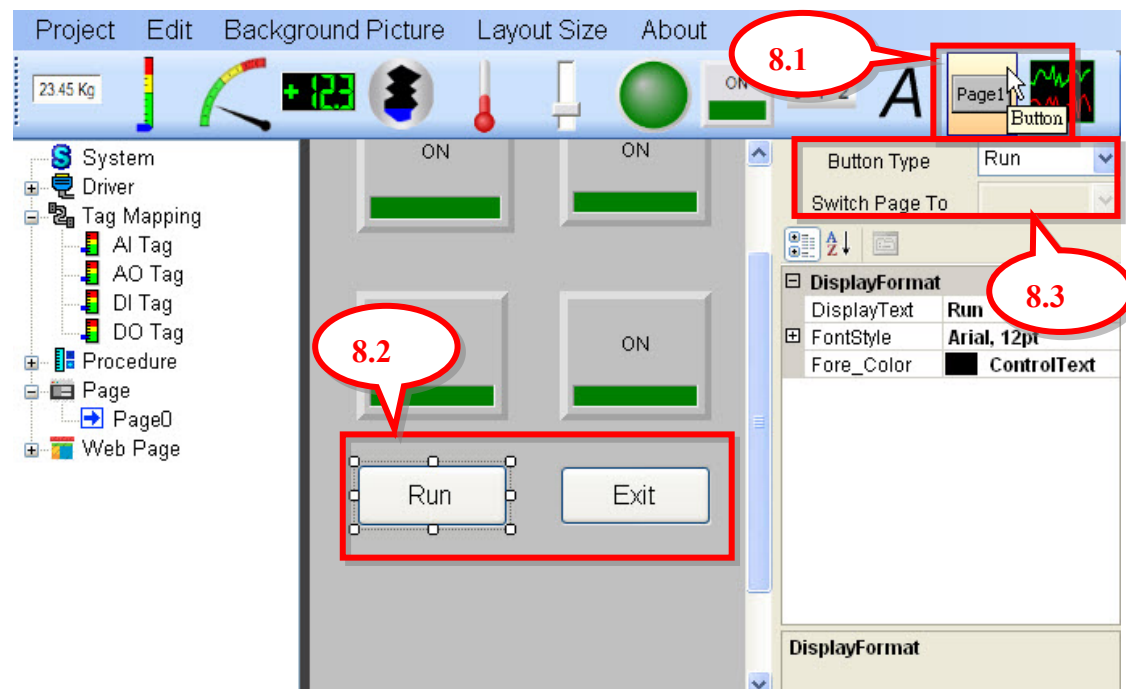
7.1 Select Page0 to edit HMI layout page.

7.2 Add 4 Switch components (drag it to the form).

7.3 Select layout component, and edit the properties (assign Tag Type and Tag Name).



Step 8: Add 2 buttons and set the Button Type to “Run” and “Exit”

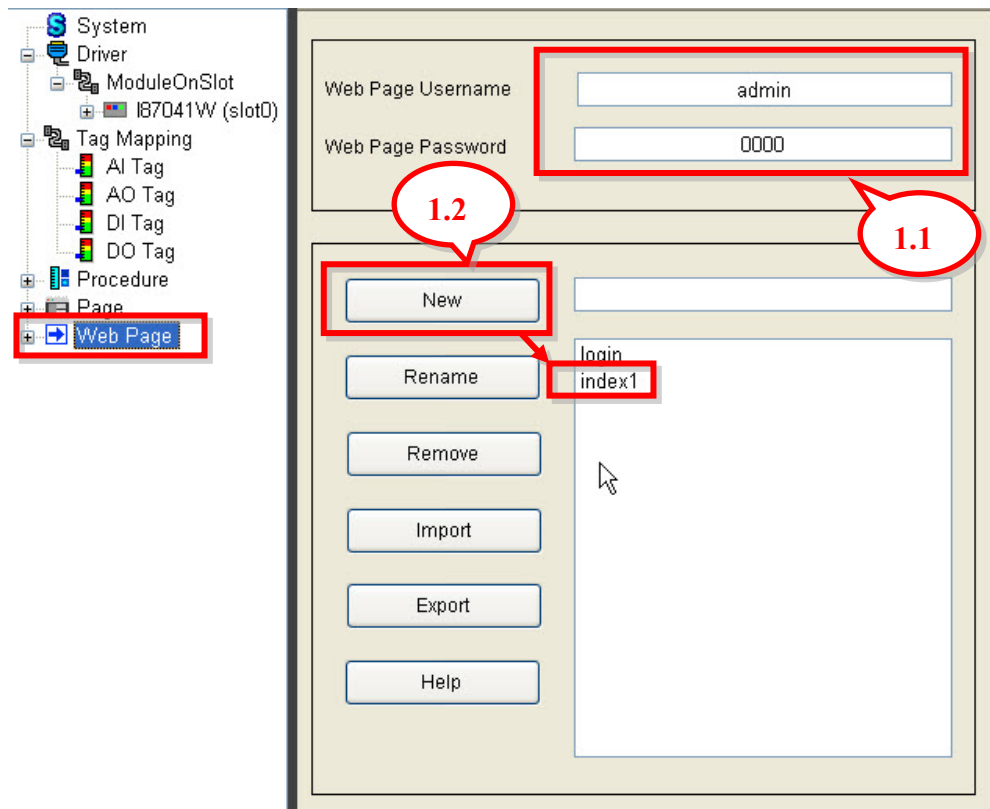


Design HMI Web Page

Step 1: Select [Web Page] and open the web page configuration window.

1.1 Set the username and password of web page. The default settings are admin and 0000.

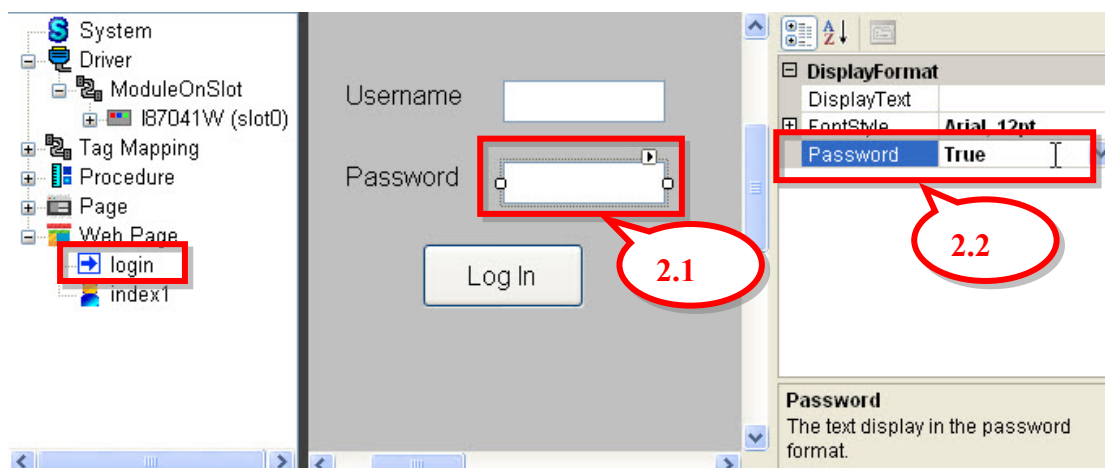
1.2 Click [New] to create a new web page. The web page name is assigned to index1 by eLogger.



Step 2: Unfold [Web Page] → select [Login] to edit the login web page.

2.1 Select password textbox components to set its property.

2.2 Set the Password to True, and the text will show as password format.

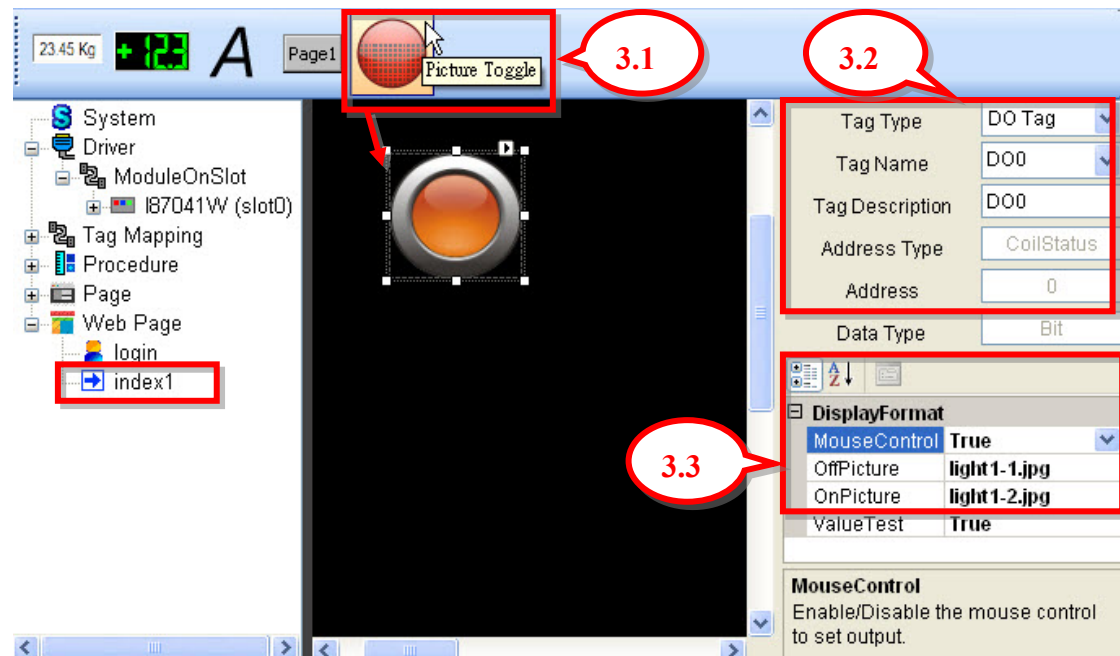


Step 3: Select [index1] that was created in step 1.

3.1 Add 2 Picture Toggle components by dragging it to the layout.

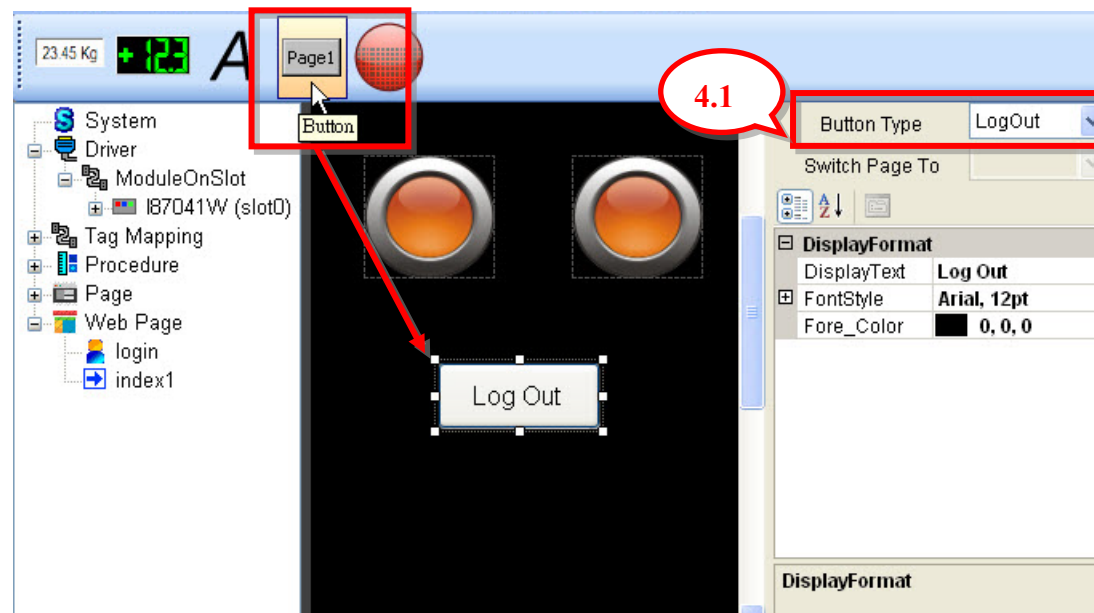
3.2 Switch the [Tag Type] to DO Tag and set the [Tag Name] to DO0, DO1.

3.4 Set [MouseControl] to True to output DO value in the web page. And set on and off pictures.



Step 4: Add a Button components to the layout.

4.1 Set the [Button Type] to LogOut as log out capability.



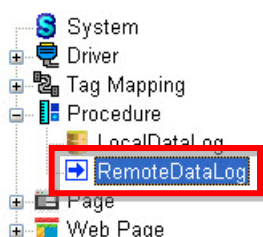
Data Log Configuration

In eLogger, RemoteDataLog and LocalDataLog are contained in Procedure.

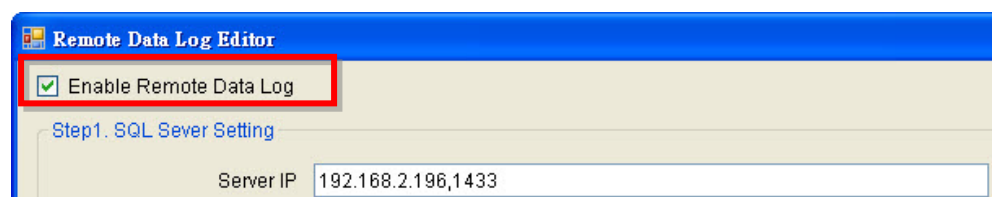
By enabling RemoteDataLog, the I/O data can be transfer to Microsoft SQL Server via Ethernet. The version of Microsoft SQL Server is 2005 or later. Account name and password to login the SQL Server are required.

By enabling LocalDataLog, the I/O data can be recorded to the PAC's storage device, such as SD memory card.

Step 1: Unfold the [Procedure] and select [RemoteDataLog] to open configured window.



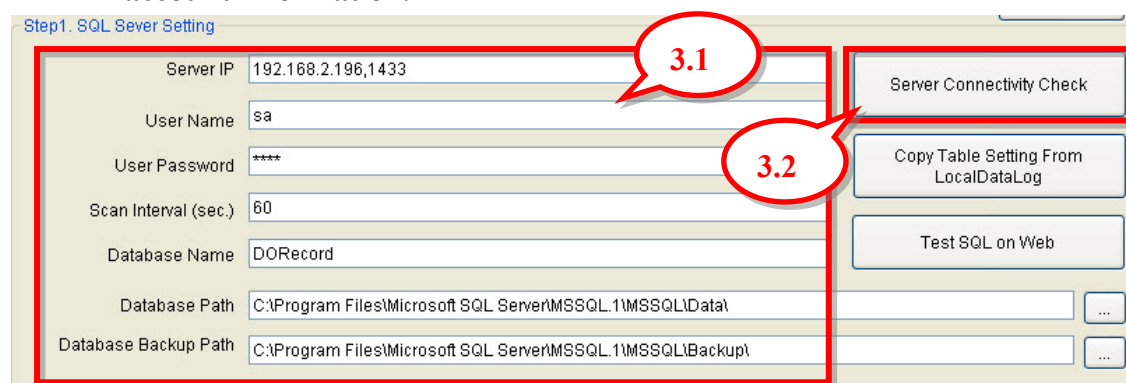
Step 2: Click the checkbox to enable the RemoteDataLog.



Step 3: Set configuration of SQL Server.

3.1 Input the IP address to Server IP text field. Input username and password to User Name and User Password text field. Input the scan rate to Scan Interval text field. The default value for Scan Interval is 60 seconds. The Database Name text field is to set the name of the database. Both of database path and backup path are required.

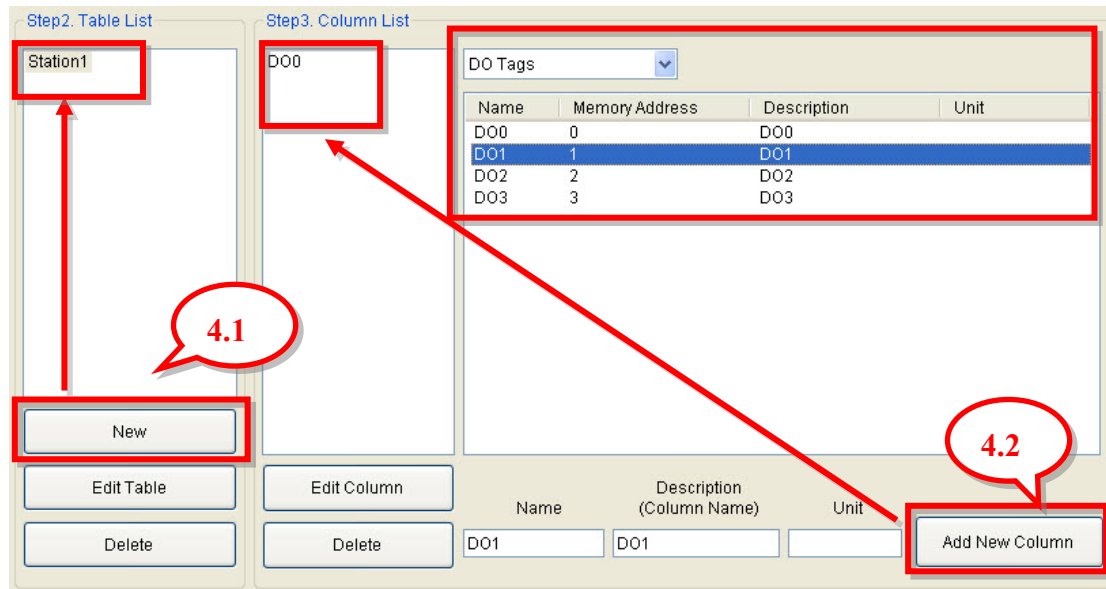
3.2 Click [Server Connectivity Check] to confirm the connection and account information.



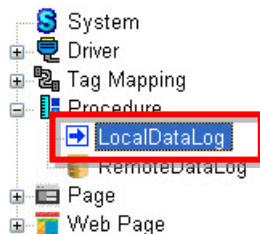
Step 4: Set tags to be recorded.

4.1 Click [New] and input a table name in the database, and click [OK] to create table.

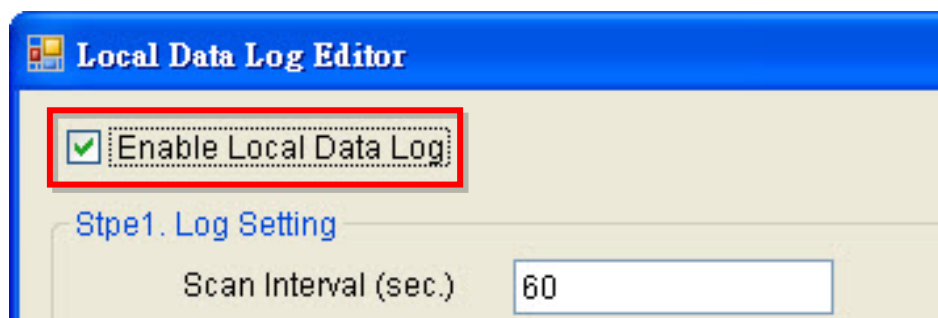
4.2 Select DO Tags from drop-down list and select the tag name which will be recorded. Click [Add New Column] and the selected tag will be added to the column list.



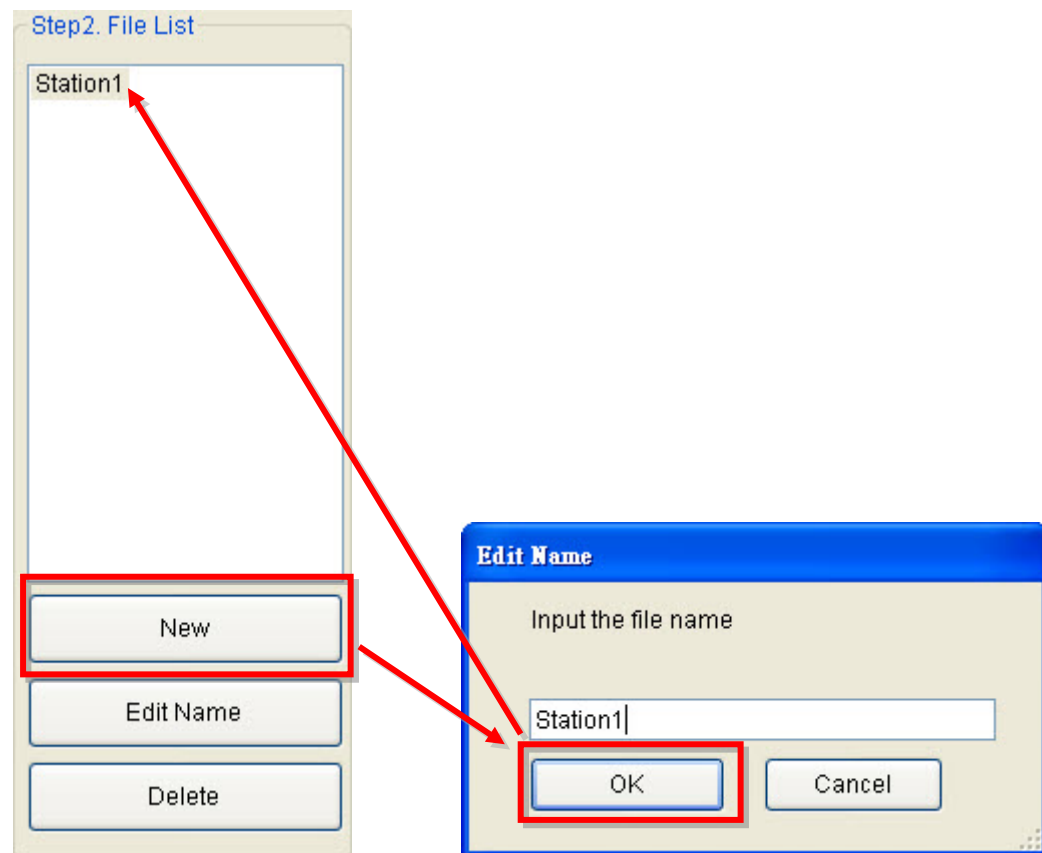
Step 5: Unfold the [Procedure] and select [LocalDataLog] to open configured window.



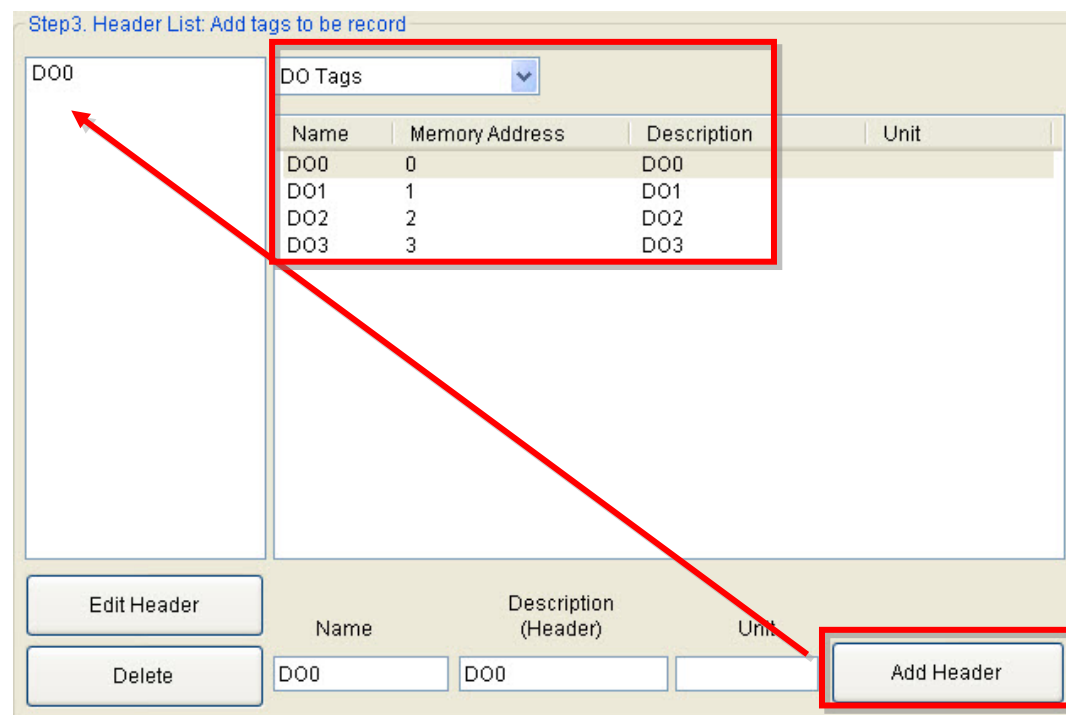
Step 6: Click the checkbox to enable the LocalDataLog.



**Step 7: Click [New] and input the record file name in the Edit Name window.
Click [OK] to create the file.**

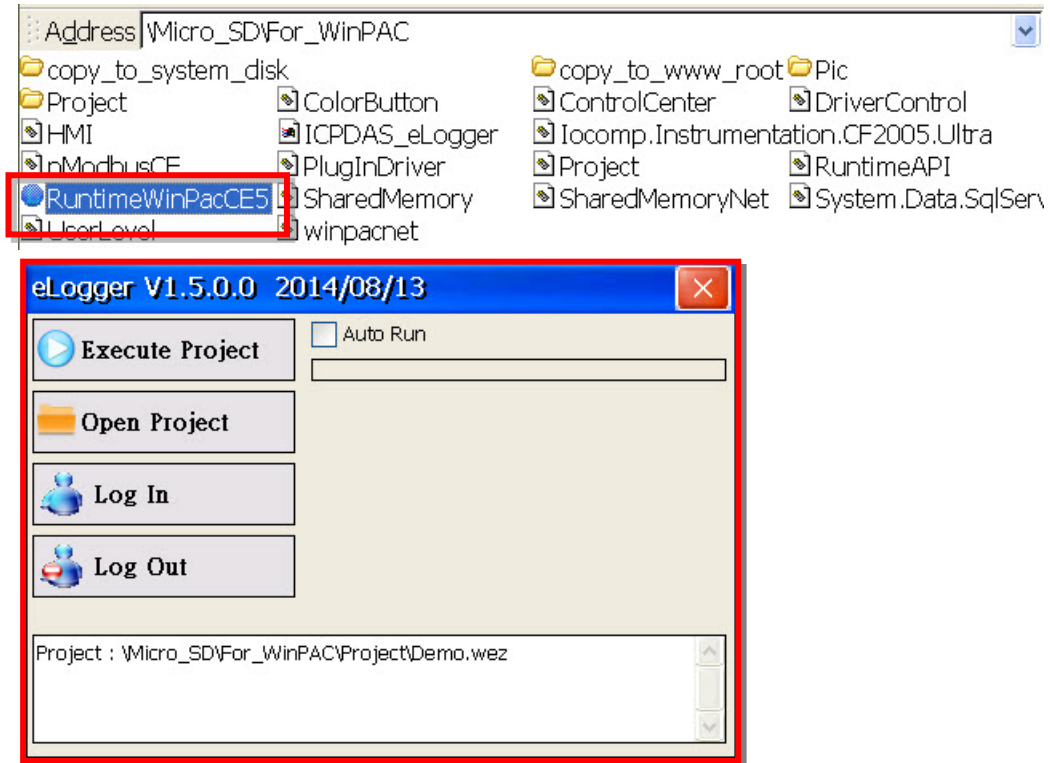


Step 8: Select DO Tags from drop-down list and select the tag name which will be recorded. Click [Add Header] and the selected tag will be added to the record list.



Upload and Execute the Project

Step 1: Execute [RuntimeWinPacCE5.exe] on VP-25W1 and wait for receiving project



Step 2: Upload project and web pages from Developer to Runtime

2.1 Select [Remote Machine] form [Project] menu on Developer.

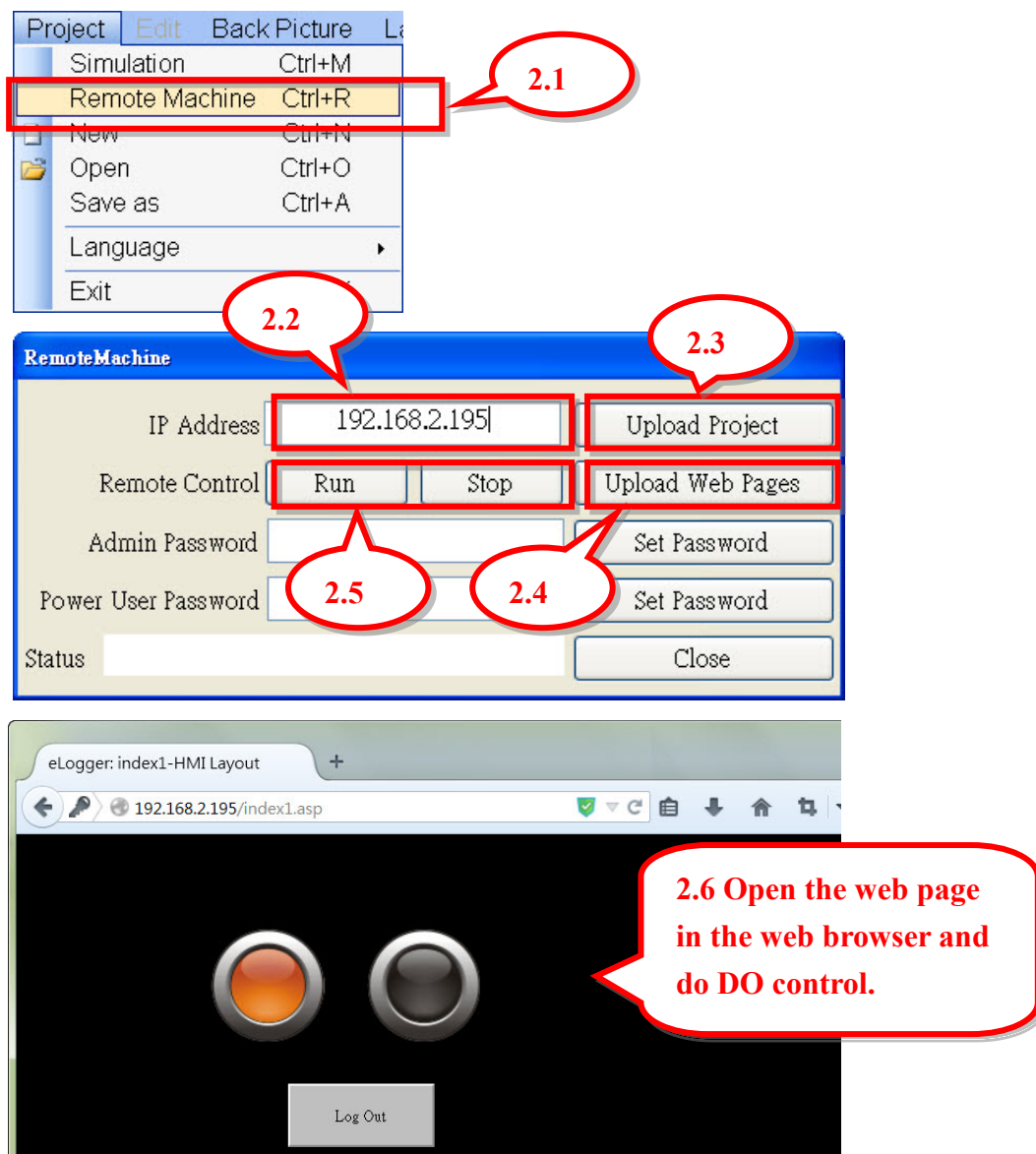
2.2 Enter the IP address of PAC.

2.3 Click [Upload Project] to upload the project to Runtime, and wait until Runtime has received the project (Waiting time determined by the file size).

2.4 Click [Upload Web Pages] to upload the web pages and pictures to Runtime, and wait until Runtime has received the web pages.

2.5 Click [Run] to run the uploaded project or click [Stop] to stop running uploaded project.

2.6 Open web browser and enter the IP address of web site to read or write value. 192.168.2.195 is used in this case.



Revisions

Version	Date	Amendments
1.4.1	2014.11.07	Add HMI Web Page.
1.5.0	2014.07.07	Add Data Log Configuration and revise HMI Web Page.