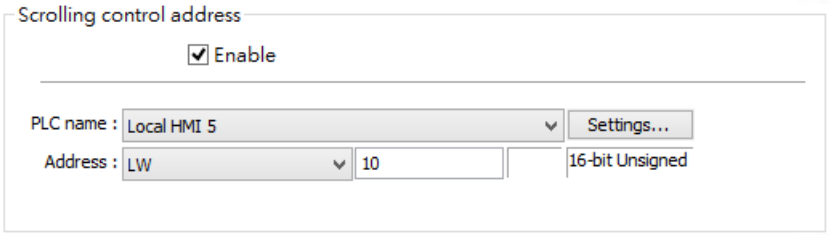
Build 2014.09.23

Software Version：EasyBuilder Pro V4.10.06

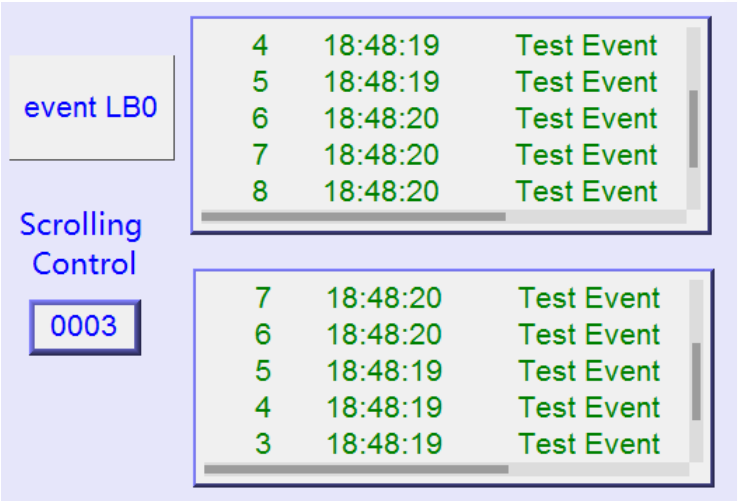
New Features

1. Added [Scrolling control address] setting in Event Display object and Alarm Display object settings dialog box.



The value in the designated control address indicates the number of lines to be scrolled down. The minimal value is 0, which indicates the first line.

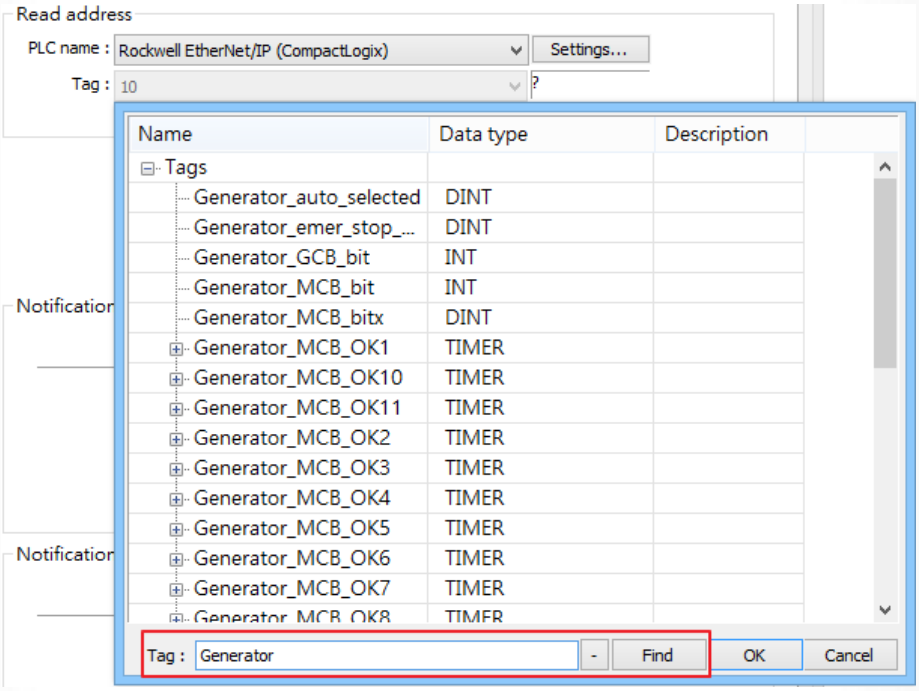
In the following figure, there are 10 events recorded in the object, and value 3 is set at the control address. The upper event object displays the events in time ascending order, and begins at the 4th event; on the other hand, the lower one displays the events in time descending order, and begins at the 7th event.



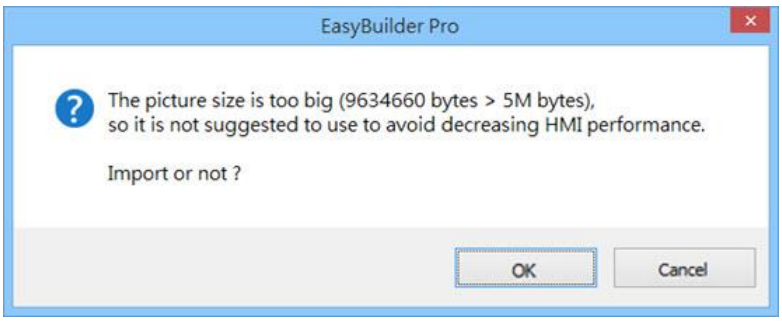
If [Scrolling control address] is enabled, the scroll bar cannot be used for scrolling, but still shows the relative position of the content. If the control

address holds a value that is larger than the total number of lines, the display will stroll to the end.

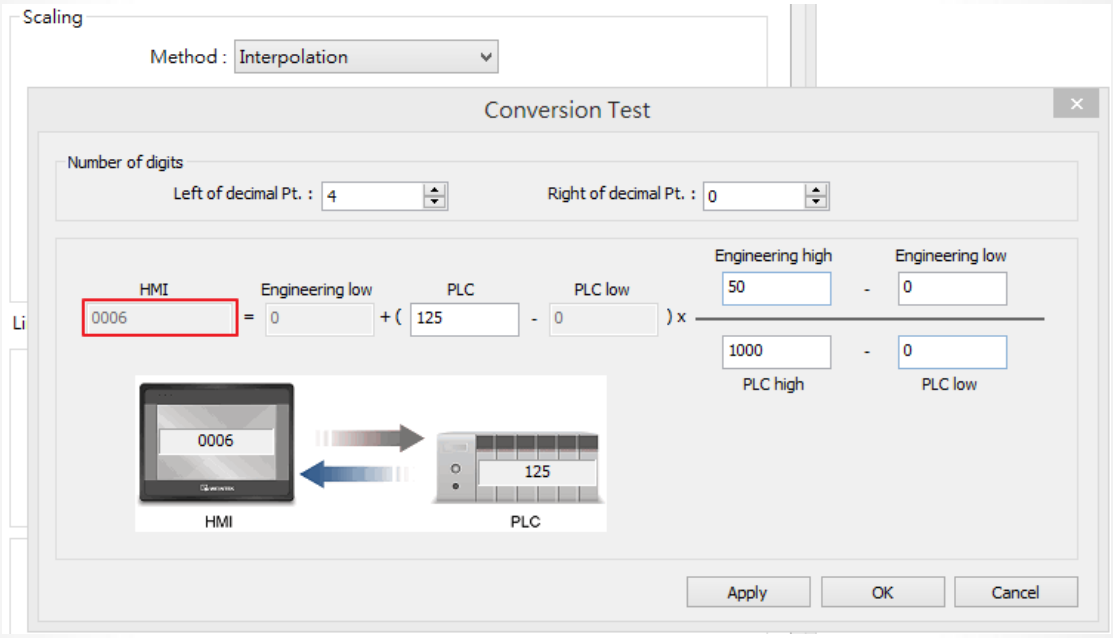
2. Added new system registers:
   - [LW-11155: the total size of HMI memory (unit : KB)]
   - [LW-11157: the free size of HMI memory (unit : KB)]
   - [LW-11159: memory loading (x 100%)]
3. Added Find button in the address settings dialog box. (not applicable to Siemens S7-1200 tags)



4. When the size of the imported picture file is bigger than 5MB, a warning window will pop up. The warning message is also displayed during compilation.



5. Added preview feature in Numeric object settings dialog box. The result of "Interpolation" can be previewed.



6. Added [Use UTF-8 format to export CSV file] option in Address Tag Library. The CSV file will be exported in UTF-8 format. The system will automatically detect the file format during import, and read the file in appropriate format.
7. Supports multiple Free Protocol Servers.
8. Increased the maximum number of actions of Combo Button object to 20 actions.

Corrections

EasyBuilder Pro

1. Shortened the time needed for Trend Display object to read history data, thus improved the display speed.
2. Fixed the problem where the project file cannot be successfully compiled when the device name used for certain features is changed. The affected features are:
   a. Option List object, Drop-Down List mode, [Send notification after writing successfully].
   b. Trend Display object, [Time stamp output].
   c. Timer object, [Reset bit (R)].
3. Fixed the problem where EasyBuilder Pro may be incorrectly closed during compilation if [Pixel] is used to set the distance between two sampling points in Trend Display object, and the specified distance exceeds or equals to the width of the object.
4. Fixed the problem where an incorrect warning message is displayed during compilation when using Siemens driver for Combo Button object Lamp mode.
5. Fixed the problem where Tag PLC address cannot be used as History Control address when [Enable reading multiple histories] is selected in Event Display object.
6. Fixed the problem where the Excel file generated from Event Log cannot be successfully imported.
7. Fixed the problem where the first invalid input is not notified when [Notification on invalid input] is enabled in Numeric object.
8. Fixed the problem where HMI replies slowly when updating recipe data using

LB-9029 after changing RW_A.

9. Fixed the memory management mechanism to avoid HMI slowdown or crash due to improper use of memory, which also lowers the risk of system instability due to oversized image files.
10. Fixed the problem where Combo Button » [Security] » [Interlock] » [Grayed label when disabled] feature does not work.

EasyPrinter

1. Fixed the problem where EasyPrinter may terminate abnormally after running for an extended period of time. .

Drivers

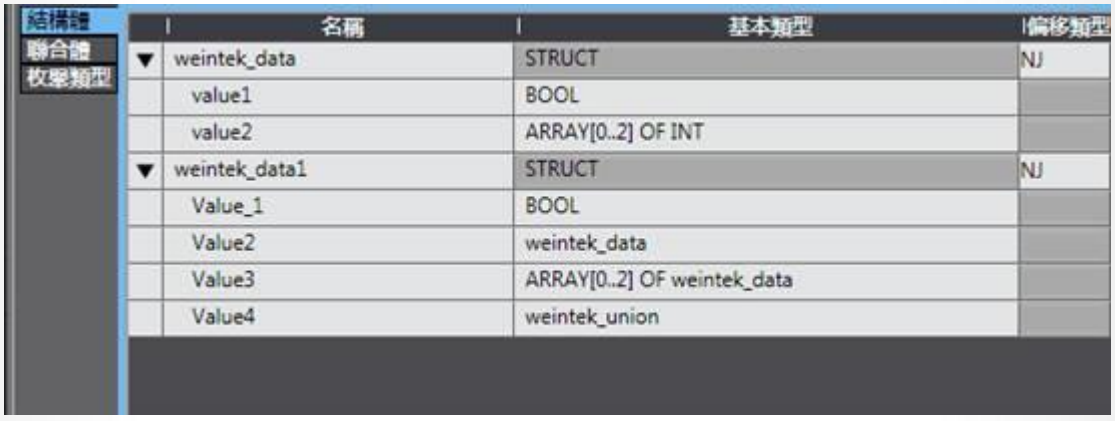
1. ***OMRON EtherNet/IP (NJ Series)*** driver supports the following features:

   a. Multi-layered address can be designated for data type.

   b. Structure data type.

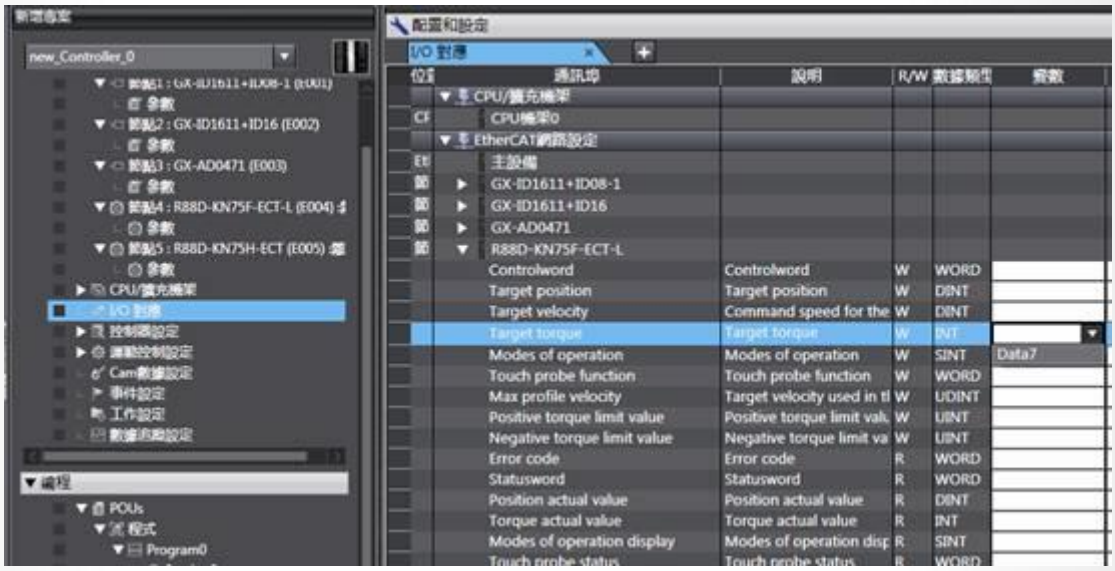
   c. Union data type.

   d. Structure array.



   e. To import tags, import the .txt file exported by Sysmac Studio, or copy and paste the tags from Sysmac Studio into the tag editor.

   f. Supports EtherCAT communication. In the I/O mapping, assign general tags to module's control variable. By read/write of the general tags, EtherCAT communication can be achieved.



2. Removed the device types DB0 and DB0Bit in ***Siemens S7-300, S7-300(ISO Ethernet), S7-300 MPI, S7-300/ET200S(Ethernet), S7-400 (Ethernet), S7-1500(Ethernet)*** drivers.

3. Fixed the problem where changing Max. read-command size in ***Modbus RTU*** and ***Modbus TCP/IP*** drivers has no effect on 6x device types.

4. ***LS XEC/XGI*** series drivers, including the following drivers:

   - ***LS XEC Cnet***
   - ***LS XEC FEnet (Ethernet)***
   - ***LS XEC/XGI CPU DIRECT***
   - ***LS XGI Cnet***
   - ***LS XGI FEnet (Ethernt)***

   Have the following changes:

   a. UX, IX, QX, MD device types are added.

   b. Renamed the bit addresses by adding an uppercase letter X.

      Ex: M→ MX.

   c. Renamed the word addresses by adding an uppercase letter X.

      Ex: M→ MW.

5. Fixed the problem where ***Siemens S7-200 PPI*** driver cannot read C, T, VD_String_Odd device types.
6. Fixed the following problems of ***Siemens S7-200*** Series drivers:
   a. Cannot access VB address type.
   b. When HMI and PLC are started at the same time, the communication might not be successfully established.
   c. Cannot reconnect after being disconnected.
   d. Communication error may occur due to reading of a large amount of data.