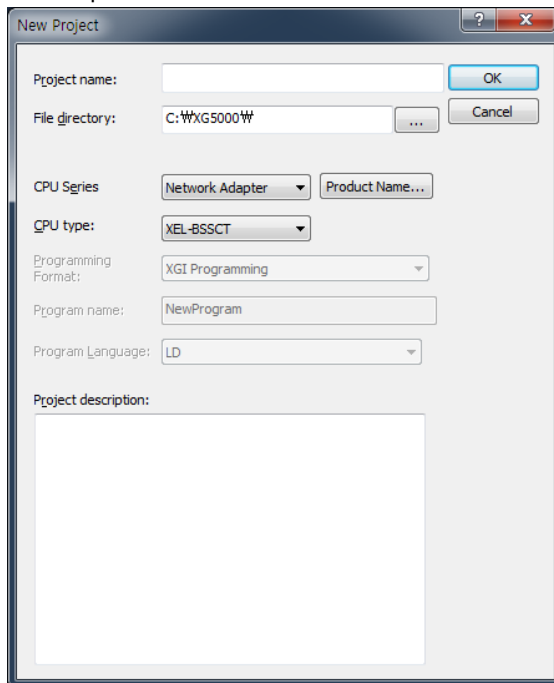
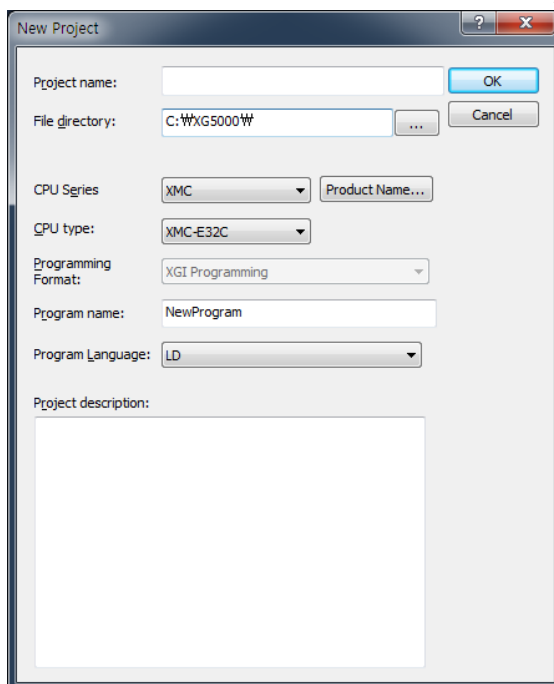


1. Improvements and additions

- 1) EtherCAT expansion type slave XEL-BSSCT model has been added.
CPU series is <network adapter>. For details on XEL-BSSCT, refer to the instruction manual of the product.

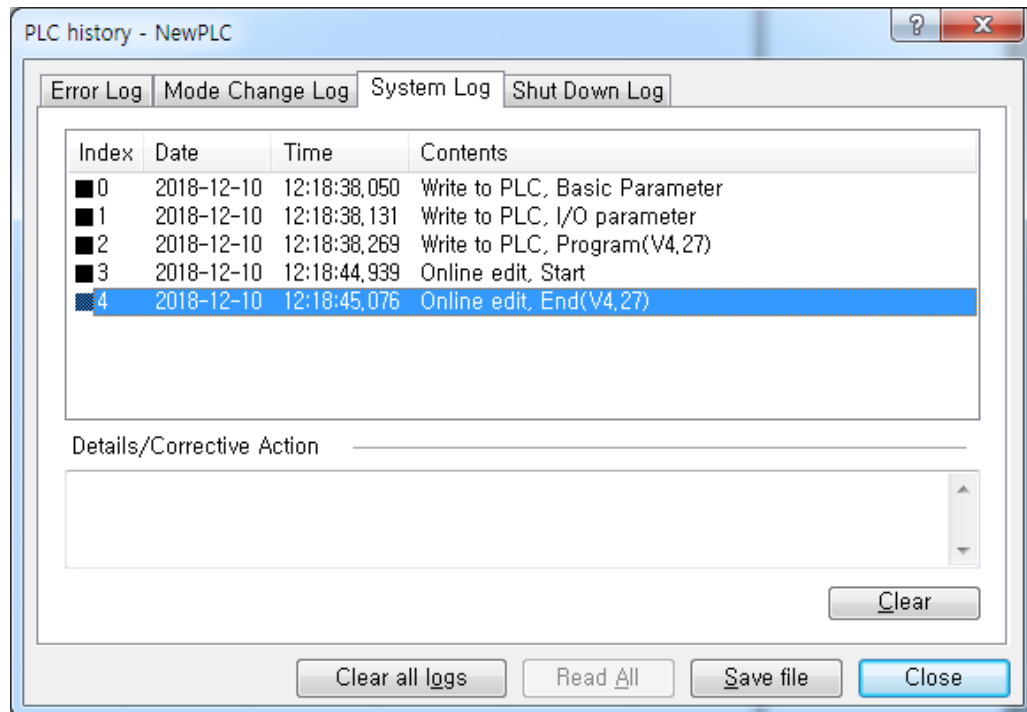


- 2) XMC-E32C has been added.
The XMC-E32C model supports RS-232/485 communication and supports P2P communication. For details about XMC-E32C, refer to the product manual.



3) XG5000 version history

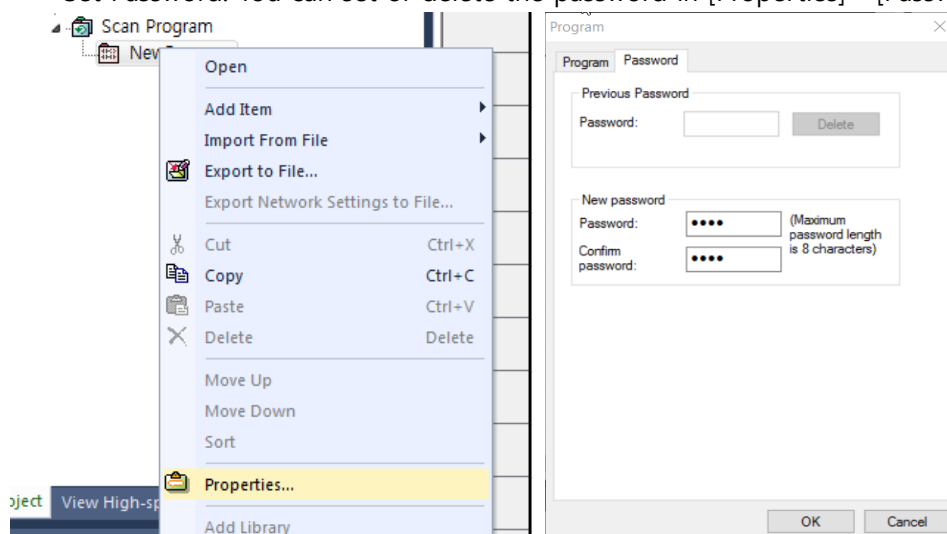
Improved to record XG5000 version when writing program and writing modified program during run. The recorded history can be checked in [PLC history]> [System log].



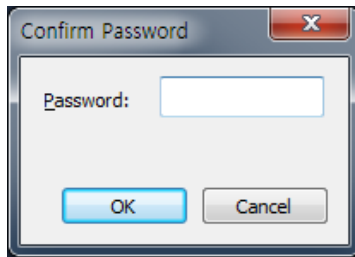
4) Added program-specific password function of XGK model

As with some XGB models, it is now possible to use program-specific password functions in XGK models. However, if XGK automatic allocation programming is selected, the password function can not be used and it is applicable only when using the latest version of XGK OS.

Set Password: You can set or delete the password in [Properties] - [Password] on the menu.



Programs with passwords can not be verified until you enter the correct password.



5) Added comment editing function

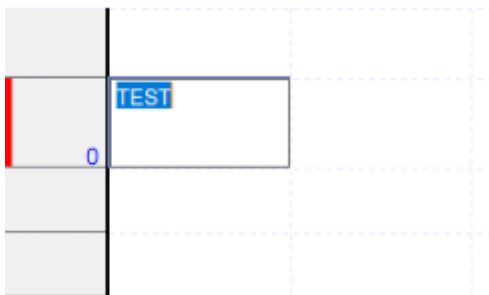
Added the function to change device comment directly on LD.

[Step]

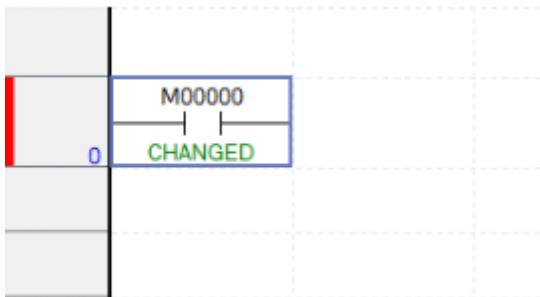
In the LD program, move to the position where you want to change the device description.



If you click [Edit] - [Edits Device Comments] on the menu, the state changes to the edit comment.



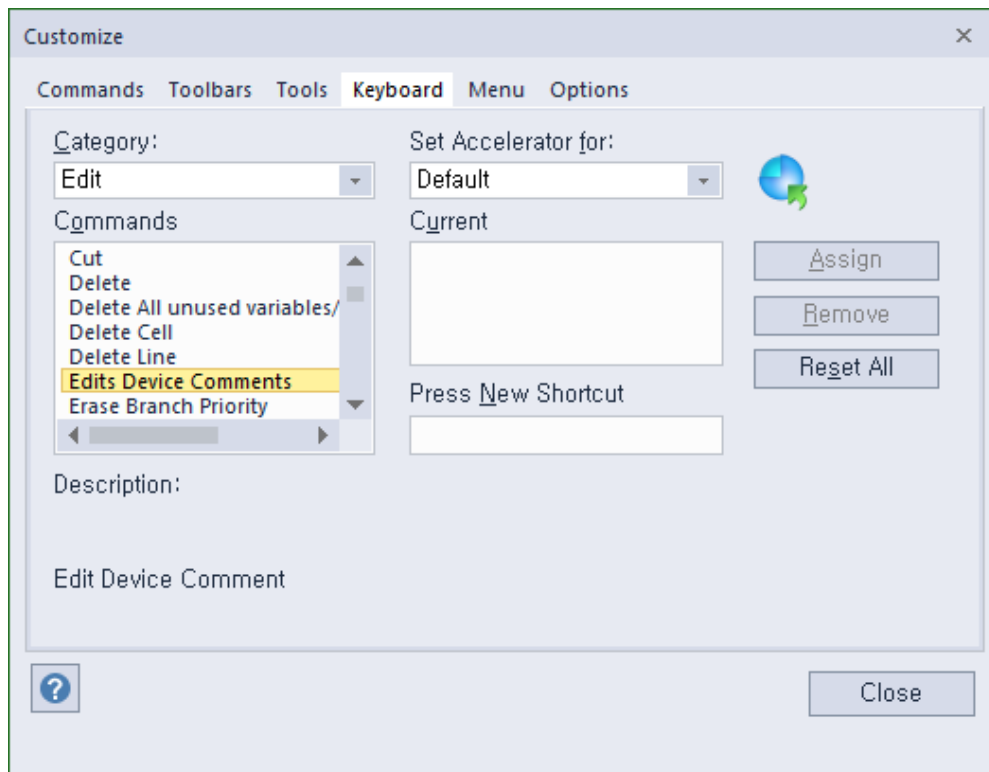
Enter the comment you want to change and press the Enter key to change the comment.



[Restrictions]

- XGK index, and indirection index device, it is displayed as a comment of the main device.

- In case of IEC or XGK auto assignment project, it does not work if input value is variable.
- If the variable / comment is displayed in the IEC type, the edited contents of the direct variable comment are not displayed. (In the IEC type, the comment of the variable takes precedence.)
- If you set up a shortcut key for the function, you can edit it more quickly. You can set the shortcut for the menu item in [Tools] - [Customize].



- 6) [Position control range extension] parameter has been added to the basic setting item of XMC model axis parameter. For details on the parameters, refer to the XMC user's manual.
- 7) Flags _LNM and _SB_LNM are added to the XGR-CPUH model to indicate the information about termination between base. For more information on flags, please refer to the XGR manual.

2. Error correction

- 1) A problem where the error code value is displayed as a decimal number in the motion status monitor has been fixed.

Status Monitor	
Status/Axis	1
Axis type	Real axis
Connected slave	Slave 1(Drive
Servo ready	ON
Servo on	OFF
Pos/Spd unit	pls,pls/s
Command position	0.000000000 0000000e+0
Command speed	0.000000000 0000000e+0
Command torque	0.000000000 0000000e+0
Current position	0.000000000 0000000e+0
Current speed	0.000000000 0000000e+0
Current torque	0.000000000 0000000e+0
Error code	0x0
Main axis	1
Main/Sub axis	Master

- 2) The phenomenon that XG5000 terminated when writing binary file to PLC has been fixed.
- 3) When the basic information of the module is read through [Open from PLC] with the slave configuration window open in XGL-EIMx or XGL-EFMx, Fixed an error that XG5000 program execution stopped.
- 4) In the XMC-E32A model, some EtherCAT slaves have been modified to handle exceptions in case of inconsistency between data information and data type information.
- 5) Fixed an error that could not change the _REF_WAR_CLR flag value of XGR model.