

**July 2022** 

DATE:

## **OMRON**

# Product Discontinuation Notice

Issue Date July 2022

Software

PRODUCT: SYSMAC STUDIO TYPE: Product Release

Sysmac Studio (SYSMAC-SE200X) Version 1.50 Release Note (Contains expanded product capabilities and significant bug fixes)

Effective July 1, 2022, the following Sysmac Studio software will be updated to Version 1.50. Changes in Version 1.50 are listed below and this update will be available via Auto Update for 32 and 64 Bit Version.



## **■** Updates:

#### ■ Support of New Hardware

#### **Controllers:**

Support the following NX unit (EtherCAT slave unit):

#### NX-ECT101 Ver.1.0

**♦** Support the following Controllers:

NJ101-1[]00 Controller Ver.1.49

NJ101-1[]20 Controller Ver.1.49

NJ301-1[]00 Controller Ver.1.49

NJ501-1[]00 Controller Ver.1.49

NJ501-1[]20 Controller Ver.1.49

NJ501-1340 Controller Ver.1.49

NJ501-4[][]0 Controller Ver.1.49

NJ501-5300 Controller Ver.1.49

NJ501-R[][]0 Controller Ver.1.49

NX102 Controller Ver.1.49

NX1P2 Controller Ver.1.49

NX701Controller Ver.1.29

 Support the following OMRON robots connectable to NJ501-R[][]0 Controllers:

EtherCAT (NJ501-R) compliant version of i4-350L, 450L, and 550L

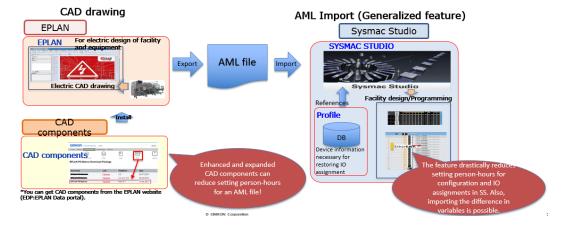
## **Improved Functions**

2. Enhanced and Improved Functions of Sysmac Studio V1.50 Controller Linking Sysmac Studio and EPLAN Electric P8 (Electric CAD): Summary

Users can reuse the controller configuration and variables (symbol names) of IO terminals created in EPLAN Electric 8, an electric CAD software, in Sysmac Studio.

⇒Drastically reduces person-hours for settings (configuration and IO assignment) in Sysmac Studio and enables to import differences in variables.

⇒Enhanced and expanded CAD components can reduce setting person-hours for an AML file containing configuration and IO assignments

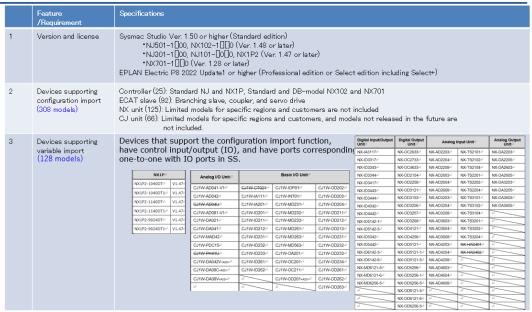


2. Enhanced and Improved Functions of Sysmac Studio V1.50



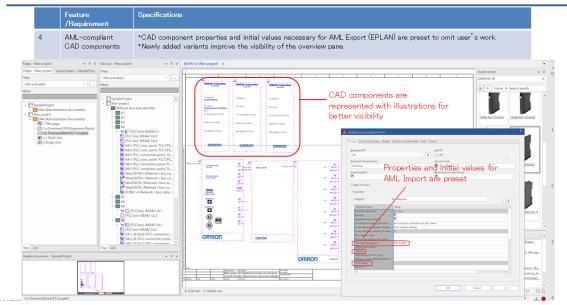
#### Linking Sysmac Studio and EPLAN Electric P8 (Electric CAD): Specifications

(1/5)



2. Enhanced and Improved Functions of Sysmac Studio V1.50

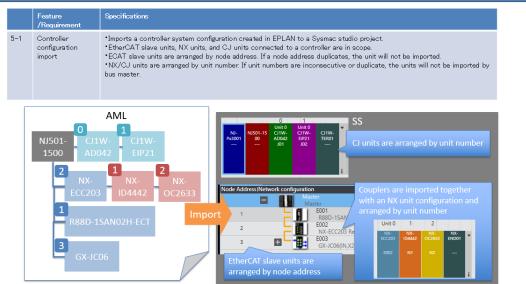
Linking Sysmac Studio and EPLAN Electric P8 (Electric CAD): Specifications (2/5)



2. Enhanced and Improved Functions of Sysmac Studio V1.50



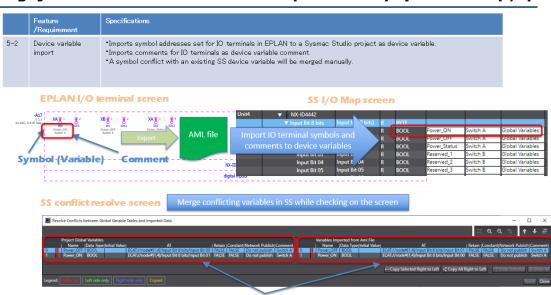
#### Linking Sysmac Studio and EPLAN Electric P8 (Electric CAD): Specifications (4/5)



2. Enhanced and Improved Functions of Sysmac Studio V1.50

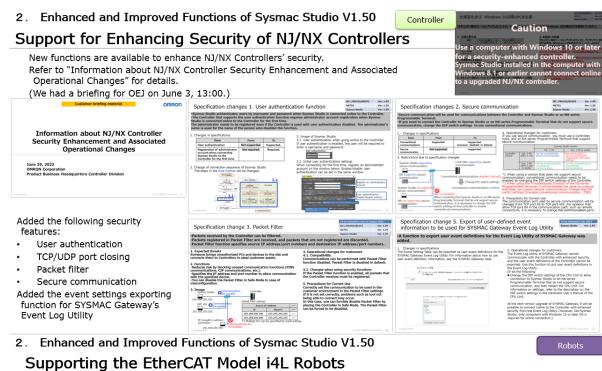
### Controller

#### Linking Sysmac Studio and EPLAN Electric P8 (Electric CAD): Specifications (5/5)



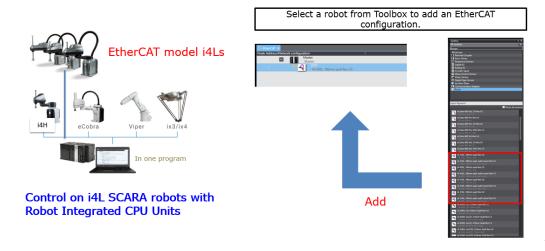
xposition

Device variables with the same name but different attribute (assignment/con



Supporting the EtheroAr Floder HE Robots

i4L-ECAT, the small and most accessible both in costs and use applications SCARA robots, are new in our solution lineup with Robot Integrated CPU Units.



## **Enhanced/Improved Functions**

#### Controller

- Solved the problem that when a variable was shared in devices, selecting Comment 2 from the Select comment drop-down was not reflected in the shared variable's comment correctly.
- Solved the problem that Sysmac Studio mis-detected a large-size project overwritten by the Version Control function as data edited from outside.

- Solved the problem that cross referencing was inoperable during online editing.
- Solved the problem that using a function or function block containing the range-specified data type in input/output/in-out variables in an ST program caused a build error.
- Solved the problem that [To Lower Layer] might not be enabled in a user-defined function where a name space was set.
- Solved the problem that an in-out variable for a function or function block could not be moved to the internal variable group.
- Solved the problem that the IEC61131-10 XML Import function might not import an XML file when a comma (,) was used as a decimal point in the Windows Location settings.
- Solved the problem that a device variable assigned to a node port in the I/O Map could be moved from a variable table to another one.
- Solved the problem that if more than one library had a POU with the same name, and the option whether includes the POU or not was configured differently, the POU might be unavailable.

#### ■ Safety

- Solved the problem that uploading ([Transfer from Controller]) a Safety CPU Unit program that contains the 1S series Servo Drive might terminate Sysmac Studio abnormally.
- Solved the problem that Sysmac Studio might end while editing a program on the FBD editor.
- Solved the problem that after sorting exposed variables in the global variable table, sorting a column in different variable table might terminate Sysmac Studio abnormally.

#### ■ HMI

- Solved the problem that a direct copy-and-paste the CX-Programmer variables to the device variable table was not available.
- [Runtime] Support the secure communications with NJ/NX series CPU Units.

## ■ Robot Integrated CPU Unit

- Shape Script Default Functions can be updated to the highest version that Sysmac Studio
- Solved the problem that a wrong error message might appear at a mis-configuration of Robot Vision Manager in Application Manager.
- Solved the problem that a V+ variable value might return after an upload of a project from a Robot Integrated CPU Unit.
- Solved the problem that the Synchronization window of Robot Control Settings might hide behind the main window.
- Solved the problem that pressing the Here button on the V+ Jog Control pane might not register a variable to location variables.
- Solved the problem that a message saying "Robot not attached to this program" might appear for a program with a robot registered.
- Corrected the Viper CAD data.



- Solved the problem that importing a project file caused a controller mismatch on the Synchronization window in Application Manager.
- Solved the problem that the Synchronization window did not show a mismatch after editing a specific property of AnyFeeder.
- Solved the problem that a comma-separated numeric value entered in the mechanical component setup tab page was set without the comma.
- Corrected the wrong orientation of i4H's tool flange in the 3D simulator.
- Solved the problem that Sysmac Studio might end while uploading an Application Manager.
- Solved the problem that an error appeared when adding an OMRON Sentech camera.
- Added the function applying the same configured V+ version to both a Robot integrated CPU Unit and OMRON robot whose V+ versions are different