

Automation Software

Sysmac Studio Ver.1.□□

CSM_Sysmac_Studio_DS_E_18_18

Sysmac Studio for machine creators

The Sysmac Studio provides an integrated development environment to set up, program, debug, and maintain NJ/NX-series CPU Units, NY-series Industrial PC, and other Machine Automation Controllers, as well as EtherCAT slaves.



Features

- One software for motion, logic, safety, drives, vision and HMI
- Fully compliant with open standard IEC 61131-3 and Japanese standard JIS B3503
- Supports Ladder, Structured Text and Function Block programming with a rich instruction set
- CAM editor for easy programming of complex motion profiles
- One simulation tool for sequence and motion in a 3D environment
- Advanced security function with 32 digit security password

Ordering Information

Automation Software

Please purchase a DVD and licenses the first time you purchase the Sysmac Studio. DVDs and licenses are available individually. The license does not include the DVD.

Sysmac Studio DVD

License keys are not included. License keys of each Sysmac Studio edition (and a license keys of options, if necessary) are required.

| Product name | Specifications | | Model |
|--------------------------------------|--|--|------------------|
| | Supporting OS | Number of licenses | |
| Sysmac Studio Ver.1.□□ 32-bit DVD | Windows 7 (32/64-bit)/8 (32/64-bit)/8.1 (32/64-bit)/10 (32/64-bit) | – (Installation media only. A license of each edition is required.) | SYSMAC-SE200D |
| Sysmac Studio Ver.1.□□ 64-bit DVD | Windows 10 (64-bit) | | SYSMAC-SE200D-64 |

Licenses for Sysmac Studio Editions

License key only. The Sysmac Studio DVD is necessary.

| Product name | Specifications | | Model |
|---|---|--------------------|---------------|
| | | Number of licenses | |
| Sysmac Studio Standard Edition Ver.1.□□ *1 | Sysmac Studio is the software that provides an integrated development environment: setting, programming, debugging and maintenance for Machine Automation Controllers (NJ/NX-series CPU Units, NY-series Industrial PC), EtherCAT Slaves, and HMIs. | 1 license | SYSMAC-SE201L |
| | | 3 licenses | SYSMAC-SE203L |
| | | 10 licenses | SYSMAC-SE210L |
| | | 30 licenses | SYSMAC-SE230L |
| | | 50 licenses | SYSMAC-SE250L |
| Sysmac Studio Vision Edition Ver.1.□□ | Sysmac Studio Vision Edition is the license providing only the necessary functions for settings of FQ-M and FH-series Vision Sensors. This edition is valid for FQ-M and FH-series Vision Sensors only. | 1 license | SYSMAC-VE001L |
| Sysmac Studio Measurement Sensor Edition Ver.1.□□ | Sysmac Studio Measurement Sensor Edition is the license providing only the necessary functions for settings of ZW-series Measurement Sensors. This edition is valid for ZW-series Measurement Sensors only. | 1 license | SYSMAC-ME001L |
| | | 3 licenses | SYSMAC-ME003L |
| Sysmac Studio NX-IO Edition Ver.1.□□ | Sysmac Studio NX-IO Edition is the license providing only the necessary functions for settings of couplers for EtherNet/IP and PROFINET. This edition is valid for couplers of EtherNet/IP and PROFINET only. | 1 license | SYSMAC-NE001L |
| Sysmac Studio Drive Edition Ver.1.□□ | Sysmac Studio Drive Edition is the license providing only the necessary functions for settings of drive units. This edition is valid for 1S/ G5-series units only. | 1 license | SYSMAC-DE001L |
| Sysmac Studio Safety Edition Ver.1.□□ | Sysmac Studio Safety Edition is the license providing only the necessary functions for settings of a safety control system. This edition is valid for communication controllers and EtherNet/IP couplers only. | 1 license | SYSMAC-FE001L |

*1. We offer Site Licenses for users who will run Sysmac Studio on multiple computers. Ask your OMRON sales representative for details.

Licenses for Sysmac Studio Options

These products are applicable to Sysmac Studio Standard Edition only.

| Product name | Specifications | | Model |
|--|---|--------------------|------------------|
| | | Number of licenses | |
| Sysmac Studio Team Development Option | Sysmac Studio Team Development Option is the license to enable the project version control functionality. | 1 license | SYSMAC-TA401L |
| | | 3 licenses | SYSMAC-TA403L |
| | | 10 licenses | SYSMAC-TA410L |
| | | 30 licenses | SYSMAC-TA430L |
| | | 50 licenses | SYSMAC-TA450L |
| Sysmac Studio 3D Simulation Option | Sysmac Studio 3D Simulation Option is the license to enable the 3D Simulation functionality. The option is valid for the 64-bit Sysmac Studio only. | 1 license | SYSMAC-SA401L-64 |
| | | 3 licenses | SYSMAC-SA403L-64 |
| | | 10 licenses | SYSMAC-SA410L-64 |
| | | 30 licenses | SYSMAC-SA430L-64 |
| | | 50 licenses | SYSMAC-SA450L-64 |

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Components

DVD (SYSMAC-SE200D)

| Components | Details |
|----------------------|--|
| Introduction | An introduction about components, installation/uninstallation, user registration and auto update of the Sysmac Studio is provided. |
| Setup disk (DVD-ROM) | 1 |

License (SYSMAC-SE2□□L/VE0□□L/ME0□□L/NE0□□L/DE0□□L/RA4□□L/TA4□□L/FE0□□L/SA4□□L-64)

| Components | Details |
|------------------------|---|
| License agreement | The license agreement gives the usage conditions and warranty for the Sysmac Studio. |
| License card | A model number, version, license number, and number of licenses are described. |
| User registration card | Two cards are contained. One is for users in Japan and the other is for users in other countries. |

Included Support Software

DVD media of Sysmac Studio includes the following support software.

| Included Support Software | | Outline |
|-------------------------------------|---------|--|
| CX-Designer | Ver.3.□ | The CX-Designer is used to create screens for NS-series PTs. *1 |
| CX-Integrator | Ver.2.□ | The CX-Integrator is used to set up FA networks. |
| CX-Protocol | Ver.1.□ | The CX-Protocol is used for protocol macros for Serial Communications Units. |
| Network Configurator | Ver.3.□ | The Network Configurator is used for tag data links on the built-in EtherNet/IP port. |
| SECS/GEM Configurator *2 | Ver.1.□ | The SECS/GEM Configurator is used for SECS/GEM settings. |
| Adept Robot IP Address Setting Tool | Ver.1.□ | The Adept Robot IP Address Setting Tool is used for setting IP address of Adept Robot. |
| CX-ConfiguratorFDT | Ver.2.□ | The software that sets the IO-Link devices. |
| IODD DTM Configurator | Ver.3.□ | The software that adds and deletes IODD files for the IO-Link devices. |

*1. Please use the Sysmac Studio to create the project of the NA Series.

*2. Please purchase the required number of SECS/GEM Configurator licenses.