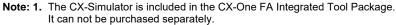
FA Integrated Tool Package CX-One

CX-Simulator Ver.2

CSM CX-Simulator DS E 7 10

Increase Development and Debugging Efficiency with Various Debugging Tools, Including Functions That Are Not Possible on the Actual PLC

 Application software to simulate SYSMAC CS/CJ/CP/NSJseries CPU Unit operation on the computer to debug PLC programs without a CPU Unit.



2. NSJ-series is no longer available to order.





Features

- Apply virtual external inputs to a virtual CPU Unit to debug programming.
- Execute programs by steps or with break point settings, or use any of the many other debugging functions.
- Check the cycle time during simulation.
- Debug network communications and serial communications as well.

Ordering Information

	Specifications			
Product name		Number of Licenses	Media	Model
FA Integrated Tool Package CX-One Ver.4.□	The CX-One is a package that integrates the Support Software for OMRON PLCs and components. CX-One Ver.4. ☐ includes CX-Simulator.	1 license *	DVD	CXONE-AL01D-V4
FA Integrated Tool Package CX-One Lite Ver.4.□	CX-One Lite is a subset of the complete CX-One package that provides only the Support Software required for micro PLC applications. CX-One Lite Ver.4. includes CX-Simulator.	1 license	DVD	CXONE-LT01D-V4

Note: 1. For details, refer to the CX-One Catalog (Cat. No. R134), visit your local OMRON website.

Product Configuration

Setup disk (DVD) DVD 1 piece in the case Guidance A4 size, English / Japanese

User license agreement / User registration card, English / Japanese

^{2.} The CX-One and CX-One Lite cannot be simultaneously installed on the same computer.

* Multi licenses (3, 10, 30, or 50 licenses) and DVD media without licenses are also available for the CX-One.

Main Functions

Category		Function		
		Execute continuously		
		Execute a single scan		
		Scan continuously		
		Execute a single step		
		Execute steps continuously		
		Pause the program execution		
Ladder program execution		Stop the program		
		Repeat scan from the beginning		
		Reset		
		Execute function block program		
		Execute ST program		
		Execute SFC program		
		Set/Reset break points		
		Stop the program at a break point		
		Set/Reset start point		
		Start program from a start point		
		Set/Reset I/O break conditions		
Program debugging		Stop the program when the I/O break conditions are satisfied		
		Execute a single task		
		Execute an interrupt task		
		Set virtual I/O refresh time at the Unit Registration		
		Set each cycle time (virtual cycle time/PC cycle time)		
		Display CPU error status		
		Display FAL/MSG messages		
		Display alarms		
Monitor the status		Display cycle time details		
		Display each status of the task		
		Display the status of inter rock		
		Display the contents of output by the serial communications commands		
Set serial communic	cations settings	Send/Receive the serial communications commands to/from the external devices		
	•	Connect PT with NT Link		
		Display the contents of output by the network communications commands		
Set network commu	nications settings	Sending FINS commands to and receiving FINS commands from a virtual PLC running on a computer using SEND and RECV instructions.		
	ŭ	Receive the FINS commands from external PLCs and computers		
		Execute command log		
		Execute program in Debug UM		
		Start command log		
		Start CX-Programmer date trace file		
Execute virtual exter	rnal input	Start CX-Programmer time chart monitor file		
		Set I/O conditions		
		Execute I/O conditions		
Integrated simulation		PLC-PT Integrated Simulation		
PLC Error simulator		PLC Error Simulator (CS/CJ/CP series)		
Other tools	Data trace recording tool	Execute date trace continuously		
	Multipoint data collection	Collect data from the actual PLC		
	tool	Ouiect data iiOiii tiic actual FLO		

System Requirements

The system requirements are the same as those for the CX-One. (The CX-Simulator is included in the CX-One.) For details, refer to the FA Integrated Tool Package CX-One Datasheet.

Applicable Units

CX-Simulator can be used with SYSMAC CS/CJ/CP/NSJ-series.

Note: Including models no longer available to order.

Applicable Models

Series	Unit
cs	CS1H-CPU63/64/65/66/67 CS1G-CPU42/43/44/45 CS1H-CPU63H/64H/65H/66H/67H CS1G-CPU42H/43H/44H/45H CS1D-CPU65H/67H/67HA/68HA CS1D-CPU42S/44S/65S/67S/44SA/67SA
cı	CJ1G-CPU44/45 CJ1H-CPU65H/66H/67H/64H-R/65H-R/66H-R/67H-R CJ1G-CPU42H/43H/44H/45H CJ1M-CPU11/12/13/21/22/23 CJ2H-CPU64-EIP/65-EIP/66-EIP/67-EIP/68-EIP CJ2H-CPU64/65/66/67/68 CJ2M-CPU11/12/13/14/15/31/32/33/34/35
СР	CP1H-XA40DR-A/XA40DT-D/XA40DT1-D/X40DR-A/X40DT-D/X40DT1-D/Y20DT-D CP1L-M60DR-A/M60DR-D/M60DT-A/M60DT1-D/M60DT1-D/M40DR-A/M40DR-D/M40DT-A/M40DT1-D/M30DR-A/M30DR-D/M30DT1-D CP1L-EL20DR-D/EL20DT1-D/EL20DT1-D CP1L-EL20DR-D/EL20DT1-D/EM40DT1-D/EM30DR-D/EM30DT1-D CP1L-EL20DR-A/L20DR-D/L20DT-A/L20DT-D/L20DT1-D/L14DR-A/L14DR-D/L14DT-A/L14DT1-D/L10DR-A/L10DR-A/L10DR-D/L10DT1-A/L10DT-D/L10DT1-D CP1L-E14SDR-A/L20SDR-A/E30SDR-A/E40SDR-A/E60SDR-A CP1E-N30S1DR-A/N30S1DT-D/N30S1DT1-D/N40S1DR-A/N40S1DT-D/N40S1DT1-D/N60S1DR-A/N60S1DT-D/N60S1DT1-D CP1E-N30SDR-A/N30S1DT-D/N30SDT1-D/N40SDR-A/N40SDT1-D/N40SDT1-D/N60SDR-A/N60SDT1-D CP1E-N60DR-A/E30DR-A/E20DR-A/E14DR-A/E10DR-A/E10DT-A/E10DT1-A/E10DR-D/E10DT1-D CP1E-N60DR-A/N60DT1-A/N60DT1-A/N60DT-D/N60DT1-D/N40DR-A/N40DR-D/N40DT1-D/N40DT1-D/N40DT1-D/N30DT-A/N30DT1-D
NSJ	NSJ5-□-G5D NSJ8-□-G5D NSJ10-□-G5D NSJ12-□-G5D NSJ5-□-M3D NSJ8-□-M3D

Note: Including models no longer available to order.

Related Manuals

Cat.No.	Model	Manuals name	Contents
W366	CXONE-AL□□D-V4	CX-Simulator Operation Manual	Describes the operating procedures for the CX-Simulator. Also refer to the following manuals when simulating operation: CX-Programmer Operation Manual (W446), CS Series Operation Manuals and CJ Series Operation Manual (CS Series: W339, CJ Series: W393), and CS/CJ Series Instructions Reference Manual (W340).
W469	CXONE-AL□□D-V4	CX-One Setup Manual	Installation and Overview of CX-One FA Integrated Tool Package

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