

CP1E-E□□D□-□ CP1E-N□□D□-□/NA20D□-□

Options (for CP1E N30/40/60 or NA20 CPU Units)

The Options cannot be used for CP1E N14/20 CPU Units and all E-type CPU Units.

Product name	Specifications	Model	Standards
RS-232C Option Board 	One RS-232C Option Board can be mounted to the Option Board slot. For CP1E N30/40/60 or NA20 CPU Units only. One RS-232C connector is included.	CP1W-CIF01	UC1, N, L, CE
RS-422A/485 Option Board 	One RS-422A/485 Option Board can be mounted to the Option Board slot. For CP1E N30/40/60 or NA20 CPU Units only.	CP1W-CIF11	
RS-422A/485 Isolated-type Option Board 		CP1W-CIF12	N, L, CE

Note: It is not possible to use a CP-series Ethernet Option Board (CP1W-CIF41), LCD Option Board (CP1W-DAM01), or Memory Card (CP1W-ME05M) with a CP1E CPU Unit.

Programming Devices

Product name	Specifications	Number of licenses	Media	Model	Standards
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 runs on the following OS. Windows 2000 (Service Pack 4 or higher), XP, Vista, or 7 (except 64-bit edition) CX-One Lite Ver. 4.□ includes Micro PLC Edition CX-Programmer Ver.9.□.	1 license	CD	CXONE-LT01C-V4 <i>NEW</i>	--
CX-One FA Integrated Tool Package Ver. 4.□	CX-One is a package that integrates the Support Software for OMRON PLCs and components. CX-One runs on the following OS. OS: Windows 2000 (Service Pack 4 or higher), XP, Vista, or 7 (except 64-bit edition) CX-One Ver. 4.□ includes CX-Programmer Ver. 9.□.	1 license *	CD	CXONE-AL01C-V4 <i>NEW</i>	--
			DVD	CXONE-AL01D-V4 <i>NEW</i>	

Note: The E20, E30, E40, N20, N30 and N40 CPU Units are supported by CX-Programmer version 8.2 or higher.

The E10, E14, N14, N60, and NA20 CPU Units are supported by CX-Programmer version 9.03 or higher.

When Micro PLC Edition CX-Programmer is used, you need version 9.03 or higher.

* Site licenses are available for the CX-One (3, 10, 30 or 50 licenses).

The following tables lists the Support Software that can be installed from CX-One

Support Software in CX-One		CX-One Lite Ver.4.□	CX-One Ver.4.□	Support Software in CX-One		CX-One Lite Ver.4.□	CX-One Ver.4.□
Micro PLC Edition CX-Programmer	Ver.9.□	Yes	No	CX-Drive	Ver.1.□	Yes	Yes
CX-Programmer	Ver.9.□	No	Yes	CX-Process Tool	Ver.5.□	No	Yes
CX-Integrator	Ver.2.□	Yes	Yes	Faceplate Auto-Builder for NS	Ver.3.□	No	Yes
Switch Box Utility	Ver.1.□	Yes	Yes	CX-Designer	Ver.3.□	Yes	Yes
CX-Protocol	Ver.1.□	No	Yes	NV-Designer	Ver.1.□	Yes	Yes
CX-Simulator	Ver.1.□	Yes	Yes	CX-Thermo	Ver.4.□	Yes	Yes
CX-Position	Ver.2.□	No	Yes	CX-ConfiguratorFDT	Ver.1.□	Yes	Yes
CX-Motion-NCF	Ver.1.□	No	Yes	CX-FLnet	Ver.1.□	No	Yes
CX-Motion-MCH	Ver.2.□	No	Yes	Network Configurator	Ver.3.□	Yes	Yes
CX-Motion	Ver.2.□	No	Yes	CX-Server	Ver.4.□	Yes	Yes

Note: For details, refer to the CX-One Catalog (Cat. No. R134).

Expansion I/O Units and Expansion Units (for CP1E E30/40, N30/40/60, or NA20 CPU Units)

CP1E E10/14/20 or N14/20 CPU Units do not support Expansion I/O Units and Expansion Units.

Unit type	Product name	Specifications			Current consumption (A)		Model	Standards	
		Inputs	Outputs	Output type	5 V	24 V			
CP1W Expansion I/O Units	Input Unit 	8	--	--	0.018	--	CP1W-8ED	U, C, N, L, CE	
	Output Units 	--	8	Relay	0.026	0.044	CP1W-8ER		
				Transistor (sinking)	0.075	--	CP1W-8ET		
				Transistor (sourcing)	0.075	--	CP1W-8ET1		
		--	16	Relay	0.042	0.090	CP1W-16ER	N, L, CE	
				Transistor (sinking)	0.076	--	CP1W-16ET		
				Transistor (sourcing)	0.076	--	CP1W-16ET1		
		--	32	Relay	0.049	0.131	CP1W-32ER	N, L, CE	
				Transistor (sinking)	0.113	--	CP1W-32ET		
				Transistor (sourcing)	0.113	--	CP1W-32ET1		
	I/O Units 	12	8	Relay	0.103	0.044	CP1W-20EDR1	U, C, N, L, CE	
				Transistor (sinking)	0.130	--	CP1W-20EDT		
				Transistor (sourcing)	0.130	--	CP1W-20EDT1		
			24	16	Relay	0.080	0.090	CP1W-40EDR	N, L, CE
					Transistor (sinking)	0.160	--	CP1W-40EDT	
					Transistor (sourcing)	0.160	--	CP1W-40EDT1	
CP1W Expansion Units	Analog Input Unit 	4 analog inputs Input range: 0 to 5 V, 1 to 5 V, 0 to 10 V, ± 10 V, 0 to 20 mA, or 4 to 20 mA. Resolution: 1/6000			0.100	0.090	CP1W-AD041	UC1, N, L, CE	
	Analog Output Unit 	4 analog outputs Output range: 0 to 5 V, 1 to 5 V, 0 to 10 V, ± 10 V, 0 to 20 mA, or 4 to 20 mA. Resolution: 1/6000			0.080	0.124	CP1W-DA041		
	Analog I/O Unit 	2 analog inputs and 1 analog output I/O range: 0 to 5 V, 1 to 5 V, 0 to 10 V, ± 10 V, 0 to 20 mA, or 4 to 20 mA. Resolution: 1/6000			0.083	0.110	CP1W-MAD11	U, C, N, L, CE	
	Temperature Sensor Unit 	2 temperature sensor inputs Sensor type: Thermocouple (J or K)			0.040	0.059	CP1W-TS001		
		4 temperature sensor inputs Sensor type: Thermocouple (J or K)			0.040	0.059	CP1W-TS002		
		2 temperature sensor inputs Sensor type: Platinum resistance thermometer (Pt100 or JPt100)			0.054	0.073	CP1W-TS101		
		4 temperature sensor inputs Sensor type: Platinum resistance thermometer (Pt100 or JPt100)			0.054	0.073	CP1W-TS102		
	CompoBus/S I/O Link Unit 	CompoBus/S slave 8 inputs and 8 outputs			0.029	--	CP1W-SRT21		

I/O Connecting Cable

Product name	Specifications	Model	Standards
I/O Connecting Cable	80 cm (for CP1W Expansion I/O Units and Expansion Units) Only one I/O Connecting Cable can be used in each PLC.	CP1W-CN811	UC1, N, L, CE

Note: An I/O Connecting Cable (approx. 6 cm) for horizontal connection is provided with CP1W Expansion I/O Units and Expansion Units.