



CJ2M-CPU31

CPU with built-in EtherNet/IP port, 5K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, option port for RS-232C/485, USB programming port, 3 expansion racks max.

Specifications

Program capacity	25 K steps
Data memory capacity	64 K words
Logic execution time	0.04 µs
Max. number of expansion units	40
Max. number of local I/O points	2560
Number of built-in digital I/Os	0
Communication port(s)	EtherNet/IP, Ethernet TCP/IP, USB
Product Height (unpacked)	90 mm
Product Width (unpacked)	62 mm
Product Depth (unpacked)	84.5 mm
Product Weight (unpacked)	190 g

Accessories



CJ1W-CIF11

RS-485 adaptor, 2 or 4 wire, connects directly to RS-232C 9-pin port for serial PLC link, screw terminals on RS-485 side



CJ1W-IC101

Expansion I/O control unit, connects to right hand side of CPU



CJ1W-II101

Expansion I/O interface unit, connects to left hand side of expansion I/O rack, up to 3 expansion racks



CJ1W-PA202

Power supply unit, 100-240 VAC, output capacity: 14 W



CJ1W-PA205R

Power supply unit, 100-240 VAC, output capacity: 25 W, with RUN output

	CJ1W-PD022	Power supply unit, 24 VDC, output capacity: 19.6 W
	CJ1W-PD025	Power supply unit, 24 VDC, output capacity: 25 W
	CJ2M-MD211	Pulse I/O Module for CJ2M, NPN with 10 inputs (four interrupt/quickresponse and two high-speed counter inputs) and 6 outputs (two pulse and two PWM outputs)
	CJ2M-MD212	Pulse I/O Module for CJ2M, PNP with 10 inputs (four interrupt/quickresponse and two high-speed counter inputs) and 6 outputs (two pulse and two PWM outputs)
	CP1W-CIF01	CP1 RS-232C (15 m max.) serial communication option board
	CP1W-CIF11	CP1 RS422/485 (50 m max.) serial communication option board
	CP1W-CIF12-V1	CP1 RS422/485 (isolated 500 m max.) serial communication option board
	CP1W-CN221	USB Programming cable, A-type male to B-type male, 1.8 m
	CS1W-CIF31	Cable, PC USB to RS-232C converter cable, for Windows 98/ME/2000/XP, drivers included on CD-ROM, an Omron programming cable is also required
	CS1W-CN223	I/O expansion rack connecting cable for NJ/CJ/CS-series, 2 m
	CS1W-CN713	I/O expansion rack connecting cable for NJ/CJ/CS-series, 70 cm
	CXONE-AL01-EV4	Single-user licence for CX-One V4.x software, for Windows 7 (32-bit/64-bit) / Windows 8.1 (32-bit/64-bit) / Windows 10 (32-bit/64-bit) / Windows 11 (64-bit), (requires CDs or DVD, CXOne-CD-EV4, or CXOne-DVD-EV4)
	HMC-EF183	Flash memory card, 128MB
	W4S1-05D	5-port enhanced Ethernet switch

	XS6W-6LSZH8SS200CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 2 m
	XS6W-6LSZH8SS300CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 3 m
	XS6W-6LSZH8SS500CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 5 m
	XS6W-6LSZH8SS50CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 0.5 m
	XW2Z-100K	I/O connection cable, MIL40 to MIL40, 1 m
	XW2Z-200K	I/O connection cable, MIL40 to MIL40, 2 m
	XW2Z-200S-V	Cable, RS-232C, for programming PLC or HMI 9-pin port from PC 9-pin port, 2 m
	XW2Z-200T	Cable, RS-232C, for connecting NT HMI 9-pin port to PLC 9-pin port, 2 m

Spare parts

	CJ1W-BAT01	Battery for CJ1M PLCs
	CJ1W-TER01	End plate for CJ1 CPU rack or expansion rack. Only required as spare part.

Related products



CJ Digital I/O Units

8 to 64 points per unit -
input, output or mixed



CJ Analogue I/O and Control Units

From basic Analogue I/O to
advanced temperature
control



CJ Communication Units

Open to any communication



CJ Motion/Position Control Units

Add motion control to any
CJ-Series PLC



CJ Power Supplies, Expansions

Power and flexibility



CS Power Supplies, Backplanes

Expand with up to 7 racks

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CAD Library



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Connection Guide

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CJ/CS-series EtherNet/IP EtherNet/IP EDS file

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CJ2 CPU Units Software Users Manual

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CJ2 Series Brochure

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CJ2-Series Programmable Controller Datasheet

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CJ2M-MD21x Pulse I/O Module

Users Manual

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CS/CJ-Series EtherNet/IP Units

Operation Manual

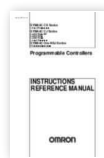
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Reference Manual

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CS/CJ/NSJ-series PLC, SYSMAC One NSJ Series

Reference Manual

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CS1/CJ1/NSJ Series Programmable Controllers

Programming Manual

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CX-Integrator Ver 2

Operation Manual

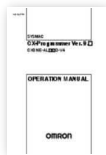
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CX-Programmer

Operation Manual

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CX-Programmer SFC

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FDK CR14250SE

Battery Safety Datasheet

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Connection Guide

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