



CJ2M-CPU12

CPU, 10K steps program, 32K words data memory, 32K words x 1 bank EM, 2560 I/O max, RS-232C serial port, USB programming port, 3 expansion racks max.

Specifications

Program capacity	30 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)	Serial RS-232C, USB
Product Height (unpacked)	90 mm
Product Width (unpacked)	31 mm
Product Depth (unpacked)	84.5 mm
Product Weight (unpacked)	130 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-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
	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

Downloads

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CJ-series -[DeviceNet]- 3G3RX-V1-series Inverter

Connection Guide

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CJ-series -[DeviceNet]- ABB IRC5 Robot Controller

Connection Guide

EN PDF 2.79 MB



CJ-series -[DeviceNet]- Janome Sewing Machine JR3000-series Desktop Robot

Connection Guide

EN PDF 2.14 MB



CJ-series -[EtherCAT]- E3NW-ECT Digital Sensor Communication Unit

Connection Guide

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CJ-series -[RS-232C]- MARS TOHKEN SOLUTION MVF- 300/500-series

Connection Guide

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CJ-series -[RS-232C]- MARS TOHKEN TFIR- 31LAN-series

Connection Guide

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CJ-series -[RS-232C]- Shimadzu balance (ATX- R/ATY- R/UPX/UPY/UW/UX Series)

Connection Guide

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CJ-series -[RS-232C]- V400-R2-series Ultra Small Multi-code Reader

Connection Guide

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CJ-series -[RS-232C]- V500-R2-series Fixed Laser-Type Barcode Reader

Connection Guide

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CJ-series -[RS-232C]- V750-series RFID System

Connection Guide

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CJ-series -[RS-232C]- ZW-7000-series Displacement Sensor

Connection Guide

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CJ-series -[RS-485 CompoWay/F]- Digital Temperature Controller (E5xD/E5xC/E5xC-T)

Connection Guide

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CJ-series -[RS-485 CompoWay/F]- KM50 Smart Power Monitor

Connection Guide

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CJ-series -[RS-485 Modbus]- 3G3MX2- series Type V1

Connection Guide

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CJ-series -[RS-485 Modbus]- ORIENTAL MOTOR Alpha STEP AR- series

Connection Guide

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CJ-series -[RS-485 Modbus]- ORIENTAL MOTOR Alpha STEP AZ- series

Connection Guide

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CJ-series -[RS-485 Modbus]- ORIENTAL MOTOR BLE-series Brushless Motor

Connection Guide

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CJ-series -[RS-485 Modbus]- ORIENTAL MOTOR RK II-series Stepping Motor

Connection Guide

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CJ2 CPU Units Hardware Users Manual

EN PDF 8.4 MB



CJ2 CPU Units Software Users Manual

EN PDF 10.1 MB



CJ2 Series Brochure

EN PDF 2.36 MB



CJ2-Series Programmable Controller

Datasheet

EN PDF 17.9 MB



CJ2M-MD21x Pulse I/O Module

Users Manual

EN PDF 7.71 MB



CS/CJ-Series EtherNet/IP Units

Operation Manual

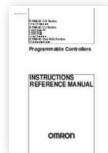
EN PDF 11 MB



CS/CJ/CP/NSJ Communications Commands

Reference Manual

EN PDF 3.61 MB



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

Reference Manual

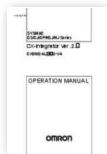
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CS1/CJ1/NSJ Series Programmable Controllers

Programming Manual

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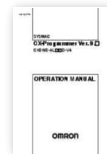
CX-Integrator Ver 2 Operation Manual

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CX-One V4 Setup Manual

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CX-Programmer Operation Manual

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CX-Programmer FB/ST Operation Manual

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CX-Programmer SFC Operation Manual

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EAC Mark removal Discontinuation Notice

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FDK CR14250SE Battery Safety Datasheet

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