

CS/CJ/CP Series with a proven track record

# **New Functions Added to CS/CJ/CP Series**



CJ1W-NC□82

Version Upgraded in October 2015 Electronic cam/helical interpolation control to increase the added value of machines

# **Increased** security

**CS/CJ/CP CPU Units** 

Version Upgraded in October 2015

More secure 16-character password protection for user programs



# Electronic cam control



CJ1W-NC□82

# Improved to meet your needs!





## Enhanced lineup and functionality for more flexibility



EtherNet/IP CJ1W-EIP21

**Version Upgraded** in December 2014 EtherNet/IP bandwidth: 12,000 pps



EtherNet/IP Coupler Unit Released

in January 2015



EtherCAT Slave Unit CJ1W-ECT21 Released in April 2015



Analog Option Board CP1W-ADB21/ DAB21V/MAB221

**Version Upgraded** in January 2015 Now mountable to CP1E



**Temperature Sensor Unit** CP1W-TS003/004

**Analog Output Unit** CP1W-DA021/DA041/DA042

**Analog Input Unit** Analog I/O Unit CP1W-MAD11/MAD42/MAD44

Released in January 2015

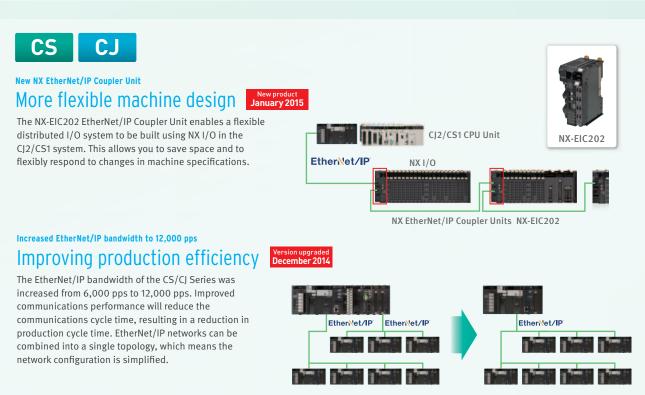


# The CS/CJ/CP Series with a proven track record provide

# improved and additional functionality

Design asset protection, increase in machine performance, coping with frequent changes in specifications ... To provide the best solution for your needs, Omron has worked on the further development of the proven CS/CJ/CP Series.







Upgraded CJ1W-NC□82 Position Control Unit with EtherCAT interface

# Electronic cam synchronization to increase machine accuracy

Version upgraded
October 2015

The CJ1W-NC□82 Position Control Unit with EtherCAT interface now provides the electronic cam/helical interpolation functionality. Multi-axes synchronous control increases the speed and accuracy of your machine, leading to a shorter cycle time.



New EtherCAT Slave Unit for CJ/NJ Series

# Distributed control for easy design and installation

The CJ1W-ECT21 EtherCAT Slave Unit enables high-speed I/O link based on EtherCAT and distributed control using multiple controllers. The modularized system facilitates the design and installation of machines.

April 2015





CJ1W-NC□82

CJ EtherCAT Slave Units CJ1W-ECT21

### CP

### More scalable

The unit with multiple analog I/O or with multiple temperature sensor inputs provides more scalability and flexibility. Up to three expansion units can be added.

### Applications: Molding machines, ovens



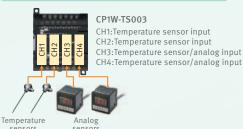


### Flexible multi-inputs: thermocouple/analog inputs

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The CP1W-TS003 has two inputs that can be used for temperature sensor or analog inputs. Both temperature sensor and analog inputs can be achieved with only one Unit.

### Applications: Vacuum packaging machines, sterilization equipment



### High resolution to improve control/ inspection accuracy

The CP1W-AD04□/CP1W-DA0□□/CP1W-MAD□□ Analog I/O Units provide high-accuracy analog I/O control with a resolution of 1/12,000.

### Applications: Inspection machines, tension control Previous model **New model** (Resolution: 1/6 000) (Resolution: 1/12 000)

### Saving space

The add-on board offers more scalability without using space in the control panel. Flexibly handle even small-scale systems.



### **New Functions and Versions**

Function	Model	Unit version	Software version
Extended UM read password protection (16 characters) *1	CJ2M-CPU□□	Version 2.1 or later	CX-Programmer Version 9.60 or higher *2
	CJ2H-CPU□□ (-EIP)	Version 1.5 or later	
	CJ1G-CPU□□P	Version 4.1 or later	
	CS1G-CPU□□H	Version 4.1 or later	
	CS1H-CPU□□H	Version 4.1 or later	
	CS1D-CPU□□H	Version 1.4 or later	
	CS1D-CPU□□P	Version 1.4 or later	
	CS1D-CPU□□S	Version 2.1 or later	
	CP1L- (E) M/L	Version 1.1 or later	
	CP1H-X (A) /Y	Version 1.3 or later	
	CP1E (All models)	Version 1.3 or later *3	
Increased EtherNet/IP bandwidth to 12,000 pps	CJ1W-EIP21	Version 3.0 or later	Network Configurator Version 3.57 or higher
	CS1W-EIP21	Version 3.0 or later	
	CJ2H-CPU□□-EIP (Built-in port)	Version 3.0 or later (EtherNet/IP Unit)	

<sup>\*1</sup> When using an extended password, use the CPU Unit and CX-Programmer that support extended passwords.

### Connectable CPU Units and Support Software

Product name and model	Unit version	Connectable Unit	Unit version	Software version
EtherCAT Slave Unit CJ1W-ECT21	Version 1.00	CJ-series CPU Units	All versions	CX-Programmer Version 9.54 or higher
		CP-series CPU Units		
EtherNet/IP Coupler Unit NX-EIC202	Version 1.00	CJ1W-EIP21	- All versions	Network Configurator Version 3.57 or higher
		CS1W-EIP21		
		CJ2H-CPU□□-EIP (Built-in port)		
		CJ2M-CPU3□ (Built-in port)		
Position Control Unit with EtherCAT interface CJ1W-NC□82	Version 1.50 or later	CJ-series CPU Units	All versions	CX-Programmer Version 9.62 or higher
Temperature Sensor Unit CP1W-TS003 (Multi-inputs) CP1W-TS004 (12 inputs)	_	CP1□ CPU Units	All versions	Not specified
Analog I/O Unit (High resolution) CP1W-AD042 CP1W-DA042 CP1W-MAD□2	_	CP1□ CPU Units	All versions	Not specified
Analog Option Board CP1W-ADB21 (Input) CP1W-DAB21V (Output) CP1W-MAB221 (I/O)	_	CP1E-N30/40/60D□-□ CP1E-NA20D□-□	Version 1.2 or later	Not specified
		CP1L-EM/EL	All versions	Not specified

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Note: Do not use this document to operate the Unit.

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<sup>\*2</sup> Implement the CX-One auto-update in October 2015 or later.

<sup>\*3</sup> Shipment of the CP1E version 1.3 will commence in January 2016.