

THE CP FAMILY

Compact machine controllers



» Fast programming with Function Blocks

» Flexible Ethernet connectivity

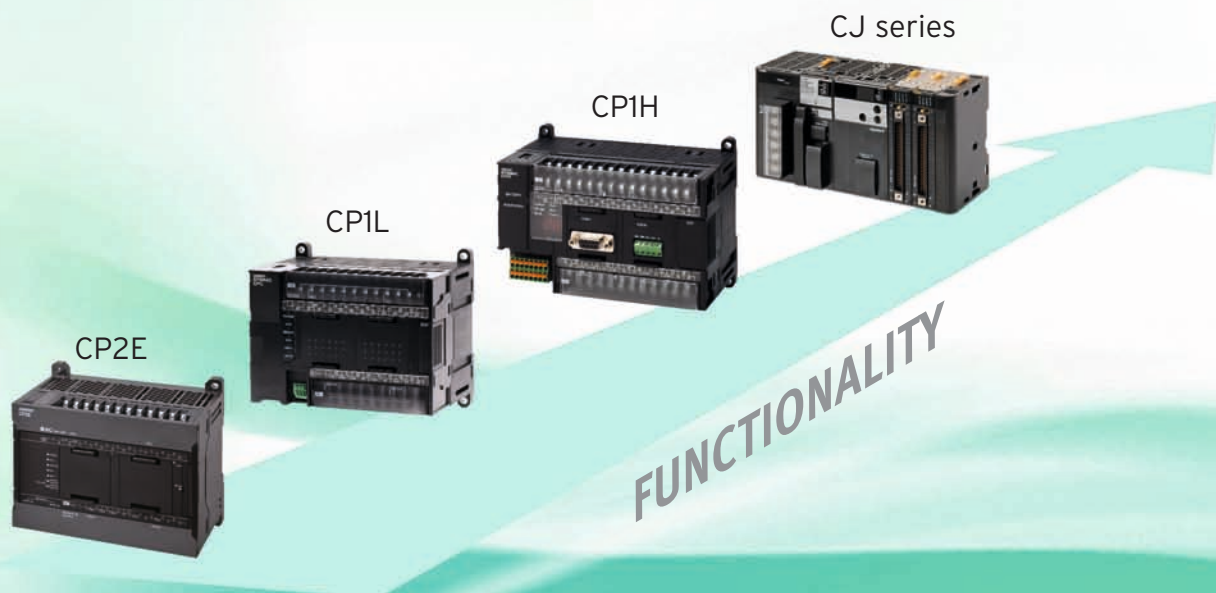
» Easy positioning functionality

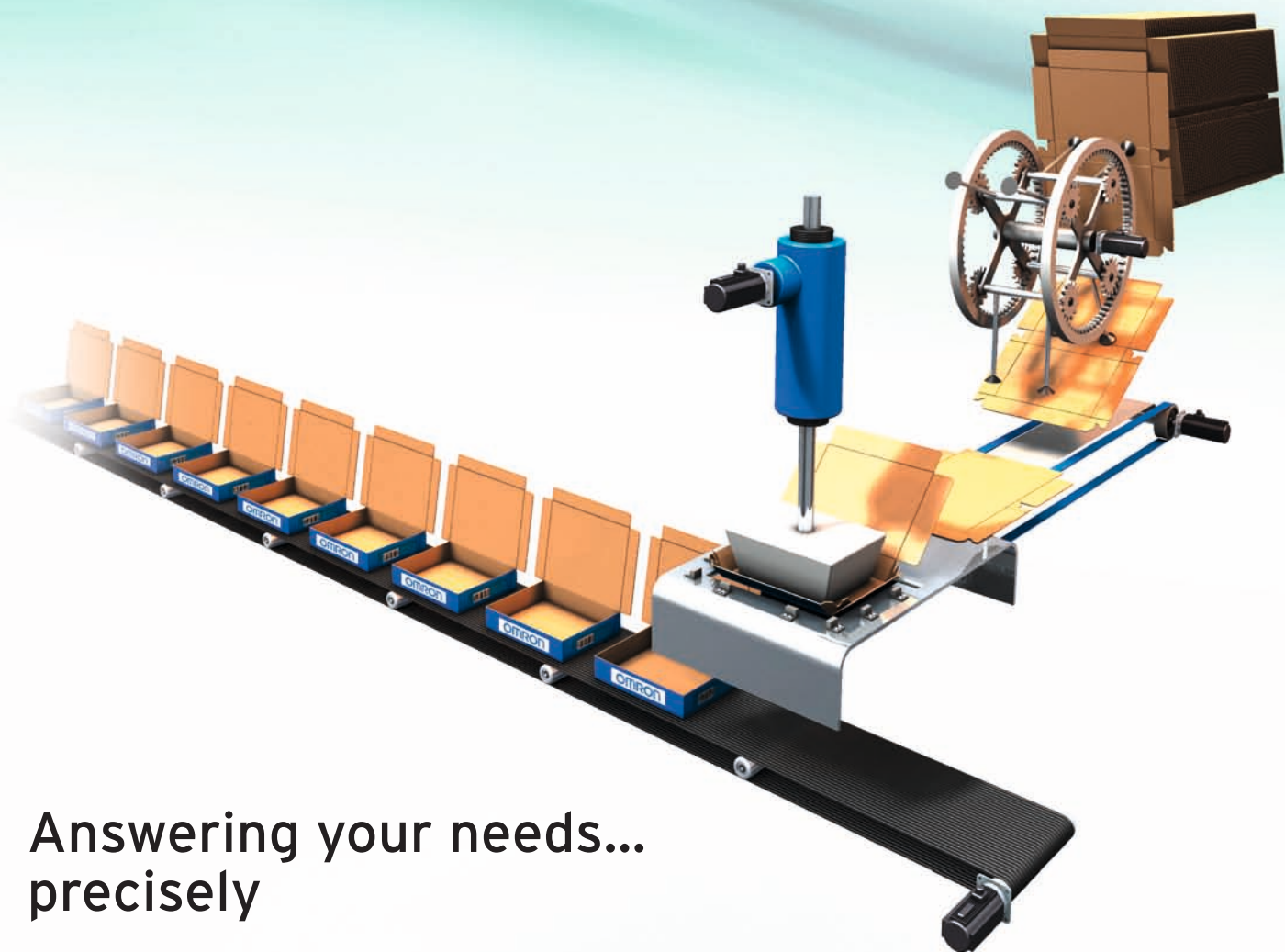
Think big... start small!

Omron's vast experience in the field of industrial automation has resulted in the creation of the right products for your applications, ranging from simple to more complex automation solutions. The CP family of programmable controllers provides you with a complete product line-up to automate compact machines and perform any other simple automation tasks, quickly and easily. Programming and operation are consistent with Omron's other modular Programmable controllers. And you are guaranteed the same high quality and reliability that you expect from any Omron product, ensuring that your equipment keeps on giving continuous dependable performance.

Scalable solution

The CP family is scalable; this means that you can choose the products with the right level of sophistication to meet your automation needs in terms of functionality, flexibility and pricing. Each of the CP family models, the CP2E, CP1L and CP1H, offers the functionality required for complete machine control. Benefits include: easy expansion of I/O, fast and versatile communication, and full positioning capabilities via ready-to-use Function Blocks. The CP family uses the same instruction set and professional programming software found in Omron's other modular Programmable controllers.





Answering your needs... precisely

Fast and versatile communication

Flexible, fast and yet cost-effective communication is essential in today's competitive market. This applies in particular to compact Programmable controllers, which not only need to connect with devices inside the machine, but also outside the machine for operating, data-logging and remote access. With this in mind, Omron has given the CP family excellent communication capabilities for both serial and Ethernet networking. In addition, Omron provides flexible and economical option boards for serial communication.

Flexible Ethernet connectivity

To meet communication needs over different protocols simultaneously and to easily connect for remote access, our CP2E-N-type, CP1L-EM, and CP1L-EL Programmable Controllers feature embedded Ethernet with socket services functionality. This offers, among other things, programmable connectivity to third-party devices and makes this outstanding product the best-in-class machine controller on the market.

Easy positioning functions

The CP family is designed to fulfill position control tasks. Up to four axes of servo-drives can be controlled with high-speed pulse outputs, while high-speed pulse inputs can allow the connection of up to four encoders. Control is easily achieved with Function Block or standard functions without the need of specialist motion boards or expansion units. Furthermore, thanks to its fast serial ports, the CP family is also capable of performing simple positioning tasks. With the use of Modbus Function Blocks, up to 31 inverters can be controlled and monitored in real-time.

Easy positioning, quick results

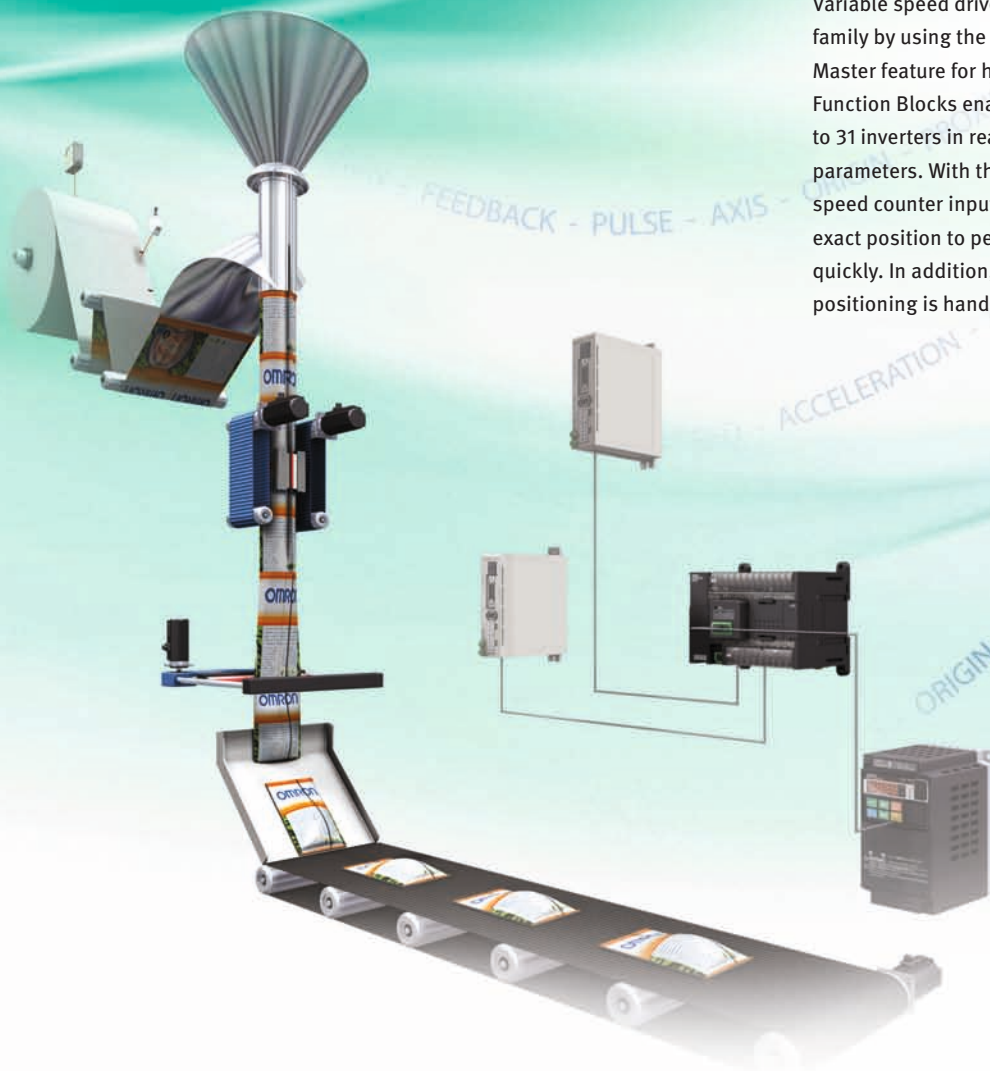
The CP family is the perfect choice for any application that requires positioning. Whether for conveyor control, point-to-point position control, or non-interpolated pick-and-place systems, the combination of high-speed pulse outputs, variable speed drive control and position feedback will provide all the functionality that you need for your application.

Ideal for position control

When simplicity and ease of use are essential, there is no better solution for your position applications than combining the CP family with servos and inverters from Omron's extensive range. The SmartStep 2 servo drive is a perfect partner and offers high performance while keeping things simple and cost effective. Omron provides standard functions and Function Blocks for SmartStep 2 and other servo drives to create your application with minimal effort.

Easy variable speed drive control

Variable speed drive control is made easy within the CP family by using the serial port(s) and the Easy Modbus Master feature for high-speed communication. Omron Function Blocks enable you to control and monitor up to 31 inverters in real-time simply by configuration of parameters. With the encoders connected to the high-speed counter inputs, the CP is able to calculate the exact position to perform accurate positioning easily and quickly. In addition, in the MX2 inverter series, all simple positioning is handled within the drive itself.





Saving you time

For many standard functions Omron provide ready-to-use and tested Function Blocks that allow you to reduce your programming and testing time. With Function Blocks you achieve faster, easier and more structured programming that can also increase machine functionality. Ladder programming still remains the easiest language for many people to use, but for more complex mathematical calculations 'Structured Text' (ST) offers greater flexibility. These languages are supported in the CP2E, CP1L and CP1H. Omron's software is renowned for its ease of use and intuitive style and CX-One is no exception.

Flexible Ethernet connectivity

As simple and quick- as USB!

Thanks to the CP2E-N-type's, CP1L-EM's, or CP1L-EL's Automatic-Connect function, programming over Ethernet is as simple as using USB on the other models in the CP family. This means that you don't need to waste time adjusting the Ethernet settings on the PC, but that you can simply plug and connect, just like USB.

The Automatic-Connect function connects instantly over a default IP address to the CP1L, saving you valuable set-up time.

Versatile communication

CP2E-N-type's, CP1L-EM's, or CP1L-EL's are equipped as standard with Socket Services. This facilitates the easy exchange of data with other Ethernet devices supporting a dedicated protocol. The Socket Services reduce effort and simplify programming and allow Ethernet protocols to be used directly from your Programmable controller program. Ethernet can also be used for applications that require remote access functionality, such as a secure VPN connection with a standard router.

Omron network



Wireless Ethernet



CP Programmable controller



Operate and Monitoring

Socket Service



Remote access



Data Logging



Modbus/TCP

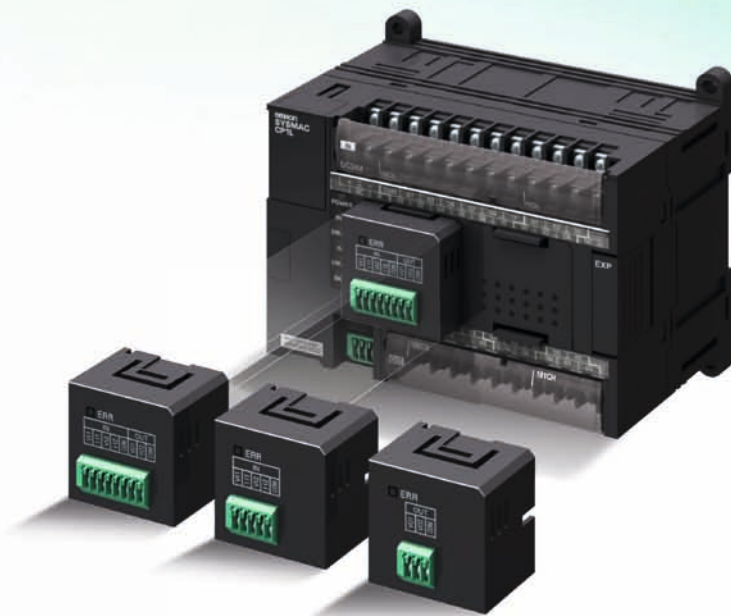


More options - greater possibilities!

More analog I/Os

In addition to the two standard embedded analog inputs, Omron's CP1L with embedded Ethernet also supports three new, optional analog I/O boards. These enable you to add extra analog inputs and outputs, and mixed inputs/outputs at minimum cost and without the need for more cabinet space. With its analog I/O modules, auto-tuning PID function, the CP is ideal for accurate process control.

Note: The optional analog I/O board can be mounted in CP1L-EM, CP1L-EL, or CP2E-N-type.



CP family features at a glance

- 10 to 60 I/O base models, expandable to 320 I/O points
- Digital, analog and temperature sensor I/O expansion units
- 4 to 6 High-speed encoder inputs and 2 to 4 high-speed pulse outputs
- Modbus Master feature for easy inverter or temperature control
- Analog I/O option boards and auto-tuning PID for accurate process control
- Optional boards for RS-232/RS-422/485/Ethernet or LCD display
- Ladder diagram, Function Block or Structured Text programming
- Powerful instructions common within Omron's modular Programmable controller series
- USB or Ethernet port – no special cables needed
- No-Battery mode operation – retains the program and data

Expansion units for more flexibility

An analog unit with up to four embedded analog inputs and four outputs achieves a high resolution of 12,000. A wide variety of temperature sensor units are available including: multi-input (thermocouple and analog inputs), platinum-resistance thermometer input, and thermocouple input models. Units with up to 12 embedded thermocouple inputs can be used for multiple temperature input applications, e.g. molding machines.



Note: The functions that are supported depend on the model.

Maximize efficiency by selecting the optimum CPU unit for your applications



| | | CP2E | | | | | | | | | | | | | |
|--|--|--|---------------|---------------|---------------|---------------|---|---------------|---------------|---------------|-------------------|------------------------------------|---------------|---------------|---------------|
| | | E-type | | | | | S-type | | | N-type | | | | | |
| | | 14 I/O Points | 20 I/O Points | 30 I/O Points | 40 I/O Points | 60 I/O Points | 30 I/O Points | 40 I/O Points | 60 I/O Points | 14 I/O Points | 20 I/O Points | 30 I/O Points | 40 I/O Points | 60 I/O Points | |
| I/O | Digital Inputs | 8 | 12 | 18 | 24 | 36 | 18 | 24 | 36 | 8 | 12 | 18 | 24 | 36 | |
| | Digital Outputs | 6 | 8 | 12 | 16 | 24 | 12 | 16 | 24 | 6 | 8 | 12 | 16 | 24 | |
| | Removable Terminals | No | | | | | | | | | | | | | |
| | Total I/O Capacity | 14 | 20 | 150 | 160 | 180 | 150 | 160 | 180 | 14 | 20 | 150 | 160 | 180 | |
| | CP1W Expansion Units | No | | | Yes (3 max.) | | | Yes (3 max.) | | | No | | Yes (3 max.) | | |
| | CJ-Series Special I/O and CPU Bus Units | No | | | | | | | | | | | | | |
| | Interrupt/Quick/Counter Inputs | 6 | | | | | | | | 6 | 8 | | | | |
| | High Speed Counter Inputs | 2 (100 kHz max.) / 4 (10 kHz max.) | | | | | | | | | | 3 (100 kHz max.) / 3 (10 kHz max.) | | | |
| | Pulse Outputs (transistor outputs models only) | No | | | | | 2 axes (100 kHz max.) | | | | | 4 axes (100 kHz max.) | | | |
| | Analog I/O (embedded) | No | | | | | | | | | | | | | |
| | Analog Adjuster (0-255) | No | | | | | | | | | | | | | |
| | External Analog Settings Input (resolution 1/256) | No | | | | | | | | | | | | | |
| | Optional boards | Number of boards supported | 0 | | | | | | | 1 | | 2 | | | |
| Serial Communications (CP1W-CIF01/11/12-V1) | | No | | | | | | | Yes | | | | | | |
| 2-ports Serial Communications (CP1W-CIFD1/D2/D3) | | No | | | | | | | Yes | | Yes (1 unit only) | | | | |
| Ethernet (CP1W-CIF41) | | No | | | | | | | | | | | | | |
| LCD Display (CP1W-DAM01) | | No | | | | | | | | | | | | | |
| Analog I/O boards | | No | | | | | | | Yes | | Yes (1 unit only) | | | | |
| CPU details | Built-in port | USB, RS-232C | | | | | USB, RS-232C, RS-485 | | | Ethernet | | | | | |
| | Function Blocks support (Ladder diagrams or ST language) | Yes | | | | | | | | | | | | | |
| | Processing Speed (minimum) | 0.23 μs / Basic instruction, 1.76 μs / Special instruction | | | | | | | | | | | | | |
| | Program Capacity | 4K steps | | | | | 8K steps | | | 10K steps | | | | | |
| | Data Memory Capacity | 4K words | | | | | 8K words | | | 16K words | | | | | |
| | Memory Cassette (CP1W-ME05M) | No | | | | | | | | | | | | | |
| | Real-Time Clock | No | | | | | Yes | | | | | | | | |
| | Battery | Battery-free required for data memory backup | | | | | Battery-free required for data memory backup (CP2W-BAT02 is required to use the clock.) | | | | | | | | |
| 7-Segment Display | No | | | | | | | | | | | | | | |
| Relay Outputs | AC Power Supply | CP2E-E14DR-A | CP2E-E20DR-A | CP2E-E30DR-A | CP2E-E40DR-A | CP2E-E60DR-A | CP2E-S30DR-A | CP2E-S40DR-A | CP2E-S60DR-A | CP2E-N14DR-A | CP2E-N20DR-A | CP2E-N30DR-A | CP2E-N40DR-A | CP2E-N60DR-A | |
| | DC Power Supply | - | - | - | - | - | - | - | - | CP2E-N14DR-D | CP2E-N20DR-D | CP2E-N30DR-D | CP2E-N40DR-D | CP2E-N60DR-D | |
| Transistor Outputs | Sink Type | AC Power Supply | - | - | - | - | - | - | - | CP2E-N14DT-A | CP2E-N20DT-A | CP2E-N30DT-A | CP2E-N40DT-A | CP2E-N60DT-A | |
| | | DC Power Supply | - | - | - | - | - | CP2E-S30DT-D | CP2E-S40DT-D | CP2E-S60DT-D | CP2E-N14DT-D | CP2E-N20DT-D | CP2E-N30DT-D | CP2E-N40DT-D | CP2E-N60DT-D |
| | Source Type | DC Power Supply | - | - | - | - | - | CP2E-S30DT1-D | CP2E-S40DT1-D | CP2E-S60DT1-D | CP2E-N14DT1-D | CP2E-N20DT1-D | CP2E-N30DT1-D | CP2E-N40DT1-D | CP2E-N60DT1-D |

Note: This table is a general overview only. For details, refer to the CP2E datasheet (Cat. No. P145), CP1L datasheet (Cat. No. P081) or CP1H datasheet (Cat. No. P080).



| | | CP1L | | | | | | | | | CP1H | | | |
|---|--|---|---------------|---------------|---------------|---------------|---------------|---|----------------|----------------|--|---------------|-----------------------|----------------|
| | | L-type | | | M-type | | | EL-type | EM-type | | Y-type | X-type | XA-type | |
| | | 10 I/O Points | 14 I/O Points | 20 I/O Points | 30 I/O Points | 40 I/O Points | 60 I/O Points | 20 I/O Points | 30 I/O Points | 40 I/O Points | 20 I/O Points | 40 I/O Points | 40 I/O Points | |
| I/O | Digital Inputs | 6 | 8 | 12 | 18 | 24 | 36 | 12 | 18 | 24 | 12 | 24 | 24 | |
| | Digital Outputs | 4 | 6 | 8 | 12 | 16 | 24 | 8 | 12 | 16 | 8 | 16 | 16 | |
| | Removable Terminals | No | | | Yes | | | No | | Yes | | Yes | | |
| | Total I/O Capacity | 10 | 54 | 60 | 150 | 160 | 180 | 60 | 150 | 160 | 300 | 320 | 320 | |
| | CP1W Expansion Units | No | Yes (1 max.) | | Yes (3 max.) | | | Yes (1 max.) | Yes (3 max.) | | Yes (7 units or 15 input words / 15 output words max.) | | | |
| | CJ-Series Special I/O and CPU Bus Units | No | | | | | | No | | Yes (2 max.) | | | | |
| | Interrupt/Quick/Counter Inputs | 2 | 4 | 6 | | | | 6 | | | | 6 | 8 | |
| | High Speed Counter Inputs | 4 (100 kHz max.) | | | | | | 4 (100 kHz max.) | | | 2 (100 kHz max.) and 2 Line-driver (1 MHz) | | 4 (100 kHz max.) | |
| | Pulse Outputs (transistor outputs models only) | 2 axes (100 kHz max.) | | | | | | 2 axes (100 kHz max.) | | | 2 (100 kHz max.) and 2 Line-driver (1 MHz) | | 4 axes (100 kHz max.) | |
| | Analog I/O (embedded) | No | | | | | | 2 inputs | | | No | | 4 inputs, 2 outputs | |
| | Analog Adjuster (0-255) | Yes (1) | | | | | | No | | | Yes (1) | | | |
| External Analog Settings Input (resolution 1/256) | Yes (0-10V) | | | | | | No | | | Yes (0-10V) | | | | |
| Optional boards | Number of boards supported | 0 | 1 | 2 | | | | | 1 | 2 | 2 | | | |
| | Serial Communications (CP1W-CIF01/11/12-V1) | No | Yes | | | | | Yes | | Yes | | | | |
| | 2-ports Serial Communications (CP1W-CIFD1/D2/D3) | No | | | | | | | | | | | | |
| | Ethernet (CP1W-CIF41) | No | Yes | | | | | No | | Yes | | | | |
| | LCD Display (CP1W-DAM01) | No | Yes | | | | | Yes | | Yes | | | | |
| | Analog I/O boards | No | | | | | | Yes | | | No | | | |
| CPU details | Built-in port | USB | | | | | | Ethernet | | | USB | | | |
| | Function Blocks support (Ladder diagrams or ST language) | Yes | | | | | | | | | | | | |
| | Processing Speed (minimum) | 0.55 μs / Basic instruction, 4.1 μs / Special instruction | | | | | | 0.55 μs / Basic instruction, 4.1 μs / Special instruction | | | 0.10 μs / Basic instruction, 0.15 μs / Special instruction | | | |
| | Program Capacity | 5K steps | | | 10K steps | | | 5K steps | 10K steps | | 20K steps | | | |
| | Data Memory Capacity | 10K words | | | 32K words | | | 10K words | 32K words | | 32K words | | | |
| | Memory Cassette (CP1W-ME05M) | Yes | | | | | | | | | | | | |
| | Real-Time Clock | Yes | | | | | | | | | | | | |
| | Battery | Yes (CJ1W-BAT01) | | | | | | Yes (CJ1W-BAT01) | | | Yes (CJ1W-BAT01) | | | |
| 7-Segment Display | No | | | | | | | | | | | | | |
| Relay Outputs | AC Power Supply | CP1L-L10DR-A | CP1L-L14DR-A | CP1L-L20DR-A | CP1L-M30DR-A | CP1L-M40DR-A | CP1L-M60DR-A | - | - | - | - | - | CP1H-X40DR-A | CP1H-XA40DR-A |
| | DC Power Supply | CP1L-L10DR-D | CP1L-L14DR-D | CP1L-L20DR-D | CP1L-M30DR-D | CP1L-M40DR-D | CP1L-M60DR-D | CP1L-EL20DR-D | CP1L-EM30DR-D | CP1L-EM40DR-D | - | - | - | - |
| Transistor Outputs | Sink Type | AC Power Supply | CP1L-L10DT-A | CP1L-L14DT-A | CP1L-L20DT-A | CP1L-M30DT-A | CP1L-M40DT-A | CP1L-M60DT-A | - | - | - | - | - | - |
| | | DC Power Supply | CP1L-L10DT-D | CP1L-L14DT-D | CP1L-L20DT-D | CP1L-M30DT-D | CP1L-M40DT-D | CP1L-M60DT-D | CP1L-EL20DT-D | CP1L-EM30DT-D | CP1L-EM40DT-D | CP1H-Y20DT-D | CP1H-X40DT-D | CP1H-XA40DT-D |
| | Source Type | DC Power Supply | CP1L-L10DT1-D | CP1L-L14DT1-D | CP1L-L20DT1-D | CP1L-M30DT1-D | CP1L-M40DT1-D | CP1L-M60DT1-D | CP1L-EL20DT1-D | CP1L-EM30DT1-D | CP1L-EM40DT1-D | - | CP1H-X40DT1-D | CP1H-XA40DT1-D |

Expansion units

Expansion I/O Units



CP1W-8ED
DC inputs: 8

CP1W-8ER
Relay outputs: 8

CP1W-8ET
Transistor outputs (sinking): 8

CP1W-8ET1
Transistor outputs (sourcing): 8

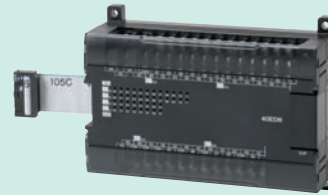


CP1W-16ER
Relay outputs: 16

CP1W-16ET
Transistor outputs (sinking): 16

CP1W-16ET1
Transistor outputs (sourcing): 16

CP1W-20EDR1
DC inputs: 12
Relay outputs: 8



CP1W-20EDT
DC inputs: 12
Transistor outputs (sinking): 8

CP1W-20EDT1
DC inputs: 12
Transistor outputs (sourcing): 8

CP1W-32ER
Relay outputs: 32

CP1W-32ET
Transistor outputs (sinking): 32

CP1W-32ET1
Transistor outputs (sourcing): 32

CP1W-40EDR
DC inputs: 24
Relay outputs: 16

CP1W-40EDT
DC inputs: 24
Transistor outputs (sinking): 16

CP1W-40EDT1
DC inputs: 24
Transistor outputs (sourcing): 16

Analog I/O Units



Analog Input Unit

CP1W-AD041
Analog inputs: 4
(resolution: 6,000)

CP1W-AD042
Analog inputs: 4
(resolution: 12,000)

Analog Output Unit

CP1W-DA021
Analog outputs: 2
(resolution: 6,000)

CP1W-DA041
Analog outputs: 4
(resolution: 6,000)

CP1W-DA042
Analog outputs: 4
(resolution: 12,000)



Analog I/O Unit

CP1W-MAD11
Analog inputs: 2 (resolution: 6,000)
Analog outputs: 1 (resolution: 6,000)

CP1W-MAD42
Analog inputs: 4 (resolution: 12,000)
Analog outputs: 2 (resolution: 12,000)

CP1W-MAD44
Analog inputs: 4 (resolution: 12,000)
Analog outputs: 4 (resolution: 12,000)

Temperature Sensor Unit



CP1W-TS001
Thermocouple inputs: 2

CP1W-TS002
Thermocouple inputs: 4



CP1W-TS003
Thermocouple inputs: 4
Analog inputs: 2
(instead of 2 thermocouple inputs)
12,000 resolution

CP1W-TS004
Thermocouple inputs: 12

CP1W-TS101
Platinum-resistance
thermometer inputs: 2

CP1W-TS102
Platinum-resistance
thermometer inputs: 4

Optional Boards



CP1W-CIF01
RS-232C
(15 m max.)



CP1W-CIF11
RS-422A/485
(50 m max.)



CP1W-CIF12-V1
RS-422A/485 (Isolated-type)
(500 m max.)



CP2W-CIFD1
2 x RS-232C *1



CP2W-CIFD2
RS-232C, RS-485
(Isolated-type) *1



CP2W-CIFD3
2 x RS-485
(Isolated-type) *1



CP1W-CIF41
Ethernet *2



CP1W-DAM01
Display 4 rows,
12 characters *2



CP1W-ADB21
2 analog inputs,
0-10 V, 0-20 mA



CP1W-DAB21V
2 analog outputs, 0-10 V



CP1W-MAB221
2 analog inputs 0-10 V, 0-20 mA &
2 outputs 0-10 V

Memory Cassette



CP1W-ME05M *2
512K words
(upload/download program)

Battery Set



CP2W-BAT02
(for CP2E)



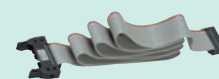
CJ1W-BAT01
(for maintenance
of CP1L/CP1H)

CJ Unit Adapter



CP1W-EXT01
CJ Unit adapter for use with
CP1H. Includes CJ endplate.

I/O Connecting Cable



CP1W-CN811
Length: 80 cm

CP1W Expansion Units include I/O Connection
Cables (in lengths of approx. 6 cm) for
side-by-side connection.

Note: This table is a general overview only. For details, refer to the CP2E datasheet (Cat. No. P145), CP1L datasheet (Cat. No. P081) or CP1H datasheet (Cat. No. P080).

*1. Can be used with CP2E.

*2. Cannot be used with CP2E.

Software

The CX-One is a comprehensive software package that integrates Support Software for OMRON PLCs and components. CX-One Ver. 4.□ includes CX-Programmer Ver. 9.□. 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 Micro PLC (the CP family) Edition CX-Programmer Ver. 9.□.

Note 1: The CX-One and CX-One Lite cannot be simultaneously installed on the same computer.

Note 2: For details, refer to the CX-One Catalog (Cat. No. R134), visit your local OMRON website.

Note 3: For corresponding version of CX-One and CX-Programmer, Refer to CPU Unit Hardware User's Manual.

| | | Media | Order code |
|--|-----------------------|-------|----------------|
| FA Integrated Tool Package CX-One Ver.4.□ | Single user licence * | DVD | CXONE-AL01D-V4 |
| FA Integrated Tool Package CX-One Lite Ver.4.□ | Single user licence | DVD | CXONE-LT01D-V4 |

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

Using CJ-series units and CP1W units with the CP1H

Up to two CJ-series CPU Bus Units or Special I/O Units can be connected. (CP1H only)

CJ Unit Adaptor CP1W-EXT01

Up to 7 CP1W Expansion Units and Expansion I/O Units can be connected. (Up to 3 units for CP1L and CP2E)

CP1W Expansion Units and Expansion I/O Units and CJ Units can be used simultaneously. CP1W-CN811 I/O Connecting Cable is required.

CJ-Series Units for use with CP1H

| Description | Unit Name | Model | Description | Unit Name | Model | | |
|-------------------------------|--|--|-------------------------------|------------------------|---------------------------------------|----------------------------|---------------|
| Analog I/O and Control Units | Analog Input Unit | CJ1W-AD041-V1 | Motion/Position Control Units | Position Control Units | CJ1W-NC113 | | |
| | | CJ1W-AD042 | | | CJ1W-NC133 | | |
| | | CJ1W-AD081-V1 | | | CJ1W-NC213 | | |
| | Analog Output Unit | CJ1W-DA021 | | | CJ1W-NC233 | | |
| | | CJ1W-DA041 | | | CJ1W-NC413 | | |
| | | CJ1W-DA042V | | | CJ1W-NC433 | | |
| | | CJ1W-DA08V | | | MECHATROLINK-II Position Control Unit | CJ1W-NCF71 | |
| | | CJ1W-DA08C | | | | CJ1W-NCF71-MA | |
| | Analog Input/Output Unit | CJ1W-MAD42 | | | CJ1W-NC271 | | |
| | Isolated- type Units with Universal Inputs | CJ1W-AD04U | | | CJ1W-NC471 | | |
| | | CJ1W-PH41U | | | Communication Units | Serial Communication Units | CJ1W-SCU21-V1 |
| | Isolated-type DC Input Units | CJ1W-PDC15 | | | | | CJ1W-SCU22 |
| | | Thermocouple Input Unit | | | | | CJ1W-PTS15 |
| | CJ1W-PTS51 | | CJ1W-SCU32 | | | | |
| | Resistance Thermometer Input Unit | CJ1W-PTS52 | CJ1W-SCU41-V1 | | | | |
| | | Temperature Control Loops, Thermocouple Unit | CJ1W-TC001 | CJ1W-SCU42 | | | |
| | CJ1W-TC002 | | Ethernet Unit | CJ1W-ETN21 | | | |
| | CJ1W-TC003 | | EtherNet/IP Unit | CJ1W-EIP21S | | | |
| | CJ1W-TC004 | | | CJ1W-EIP21 | | | |
| | Temperature Control Loops, RTD | CJ1W-TC101 | FL-net Ethernet Unit | CJ1W-FLN22 | | | |
| CJ1W-TC102 | | DeviceNet Master Unit | CJ1W-DRM21 | | | | |
| CJ1W-TC103 | | CompoNet Master Unit | CJ1W-CRM21 | | | | |
| CJ1W-TC104 | | CompoBus/S Master Unit | CJ1W-SRM21 | | | | |
| Motion/Position Control Units | High Speed Counter Unit | CJ1W-CT021 | Controller Link Unit | CJ1W-CLK23 | | | |
| | | High-speed Data Storage Unit | High-speed Data Storage Unit | CJ1W-SPU01-V2 | | | |
| CJ Series ID Sensor Unit | CJ Series ID Sensor Unit | | | CJ1W-V680C11 | | | |
| | | CJ1W-V680C12 | | | | | |
| | | CJ1W-V600C11 | | | | | |
| | | CJ1W-V600C12 | | | | | |

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

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