

THE CP1 FAMILY

Industry Leading Micro PLCs



- » Powerful all-in-one solution with analog and positioning built-in
- » **Flexible Ethernet connectivity**
- » Easy programming with Function Blocks

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 CP1 family of micro programmable controllers provides you with a complete product line-up to automate a wide range of machines and perform many simple automation tasks, quickly and easily. Programming, configuration, and maintenance are all within the same software environment as other Omron PLCs. You are guaranteed the same high quality and reliability that you expect from any Omron product, ensuring that your equipment delivers continuous dependable performance.

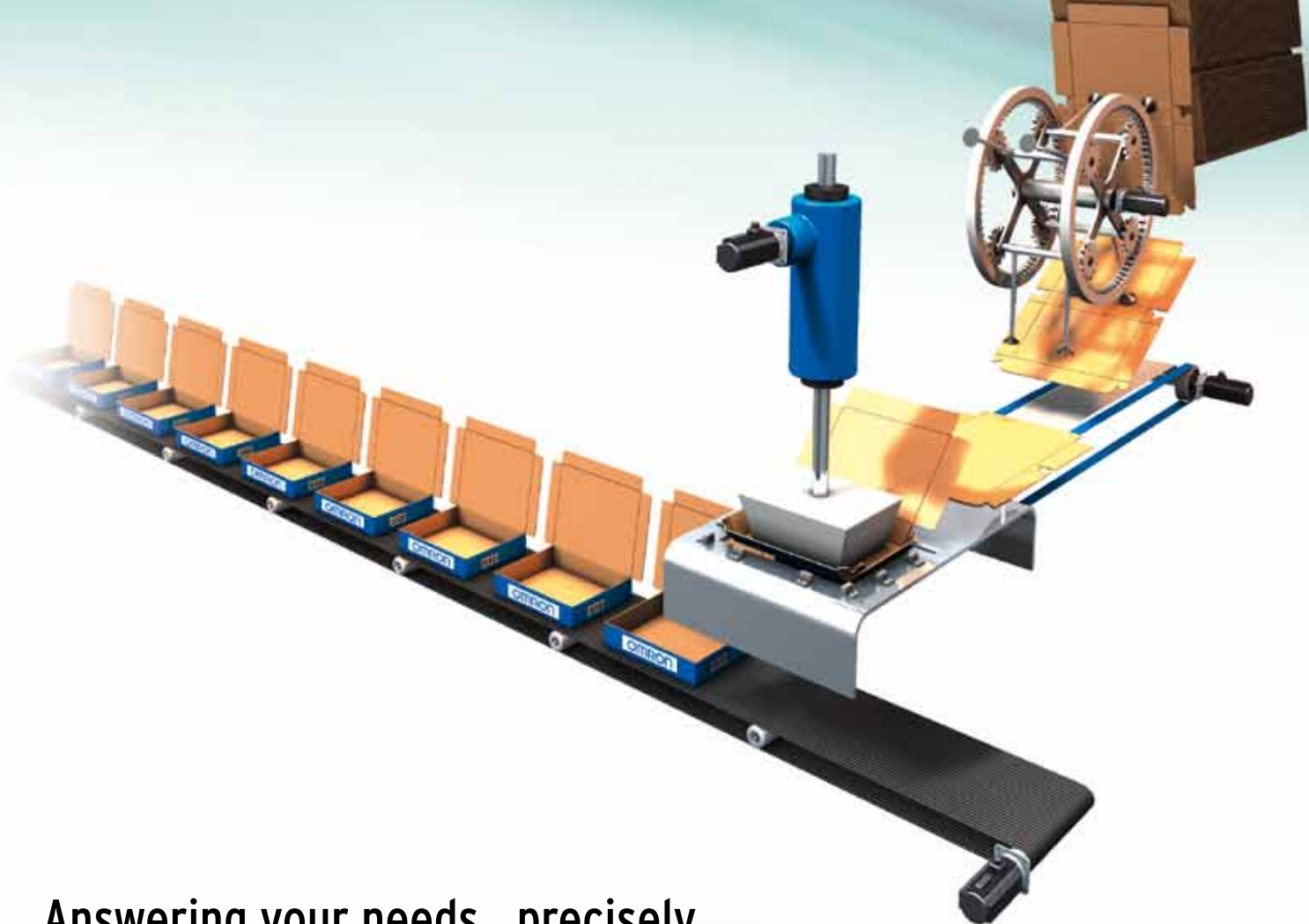
Scalable solution

The CP1 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 CP1 family models, the CP1E, CP1L and CP1H, offers the functionality required for complete machine control.

Benefits include:

- Easy expansion of I/O
- Fast and versatile communication
- Full positioning capabilities via ready-to-use function Blocks





Answering your needs...precisely

CP1H • The Ultimate High-performance Micro PLC

Three types of CPU units are available to meet applications requiring advanced functionality:

- The CP1H-X standard units with 4 axes 100kHz pulse output and counters
- The CP1H-Y high-speed positioning units with 1MHz pulse output and counters
- The CP1H-XA built-in analog I/O units including standard pulse output and counters

CP1L / CP1L-E • The Standard Mid-range Micro PLC

Maximum cost effectiveness within a minimal product footprint. CPUs are selectable from 10 I/O to 60 I/O, with select models featuring built-in Ethernet and Analog Inputs. Additional I/O, Analog, and Communication expansion available.

CP1E • The Economy Class Micro PLC

Satisfying entry-level requirements for basic applications. Select CPUs from 10 I/O to 60 I/O with basic expandability.

Common Applications

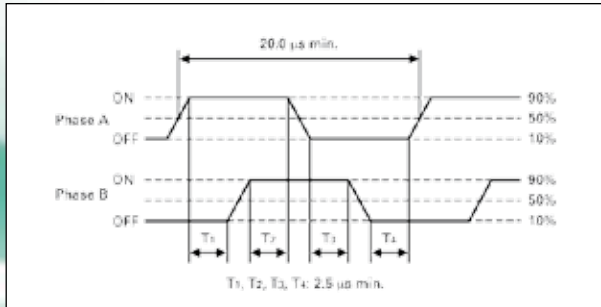
- High-speed feeding and positioning applications
- Conveyor and Spindle speed control
- Pressure control and forming machines

- Multi-connection Ethernet HMI and third party printer or barcode reader applications
- Temperature control applications with PID Auto-tuning
- Function Block heavy programming using expanded memory

- Stand-alone 2-axis positioning control applications
- Intelligent remote I/O stations on larger serial network systems

Easy positioning, quick results

The CP1 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.



Phase A / Phase B pulse direction input mode

Ideal for position control

When simplicity and ease of use are essential, there is no better solution for your position applications than combining the CP1 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 CP1 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 CP1 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

Omron's software is renowned for its ease of use and intuitive style and CX-One is no exception. For many standard functions Omron provides 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 CP1L and CP1H.



Flexible Embedded Ethernet connectivity

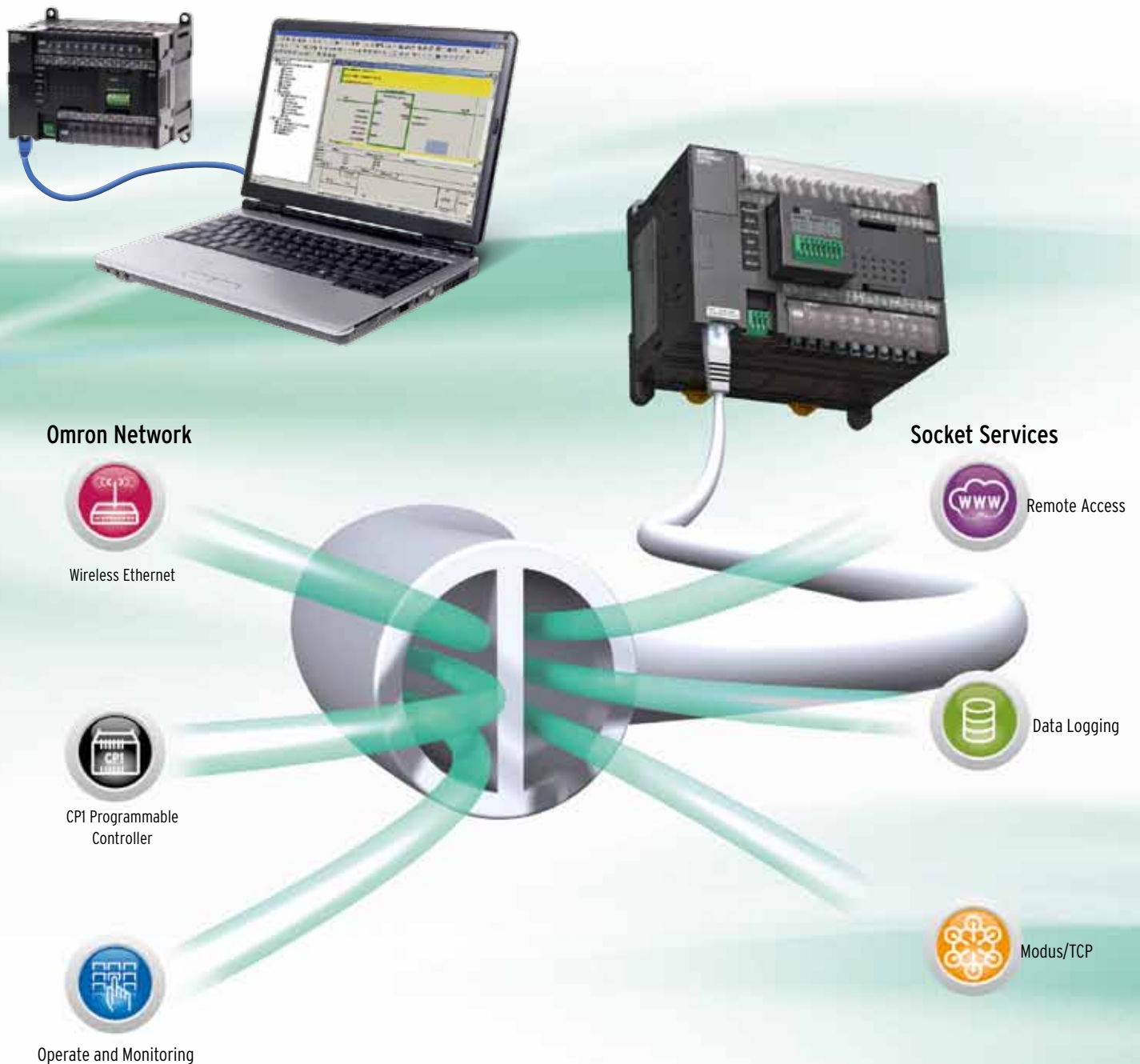
As simple and quick as USB!

Thanks to the 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 CP1 family. You no longer need to waste time adjusting the Ethernet settings on the PC, 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

Omron's CP1L Ethernet models 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.



More options - greater possibilities!

More analog I/O

In addition to the two standard embedded analog inputs, Omron's CP1L with embedded Ethernet also supports three dedicated analog I/O option boards. These enable you to add extra analog inputs and outputs, and mixed inputs/outputs at minimum cost without the need for more cabinet space. With its analog I/O modules, auto-tuning PID function, the CP1 is ideal for accurate process control.

CP1 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 operation mode - retains the program and data

For CP1L-E Model CPUs



CP1 Expansion Units



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

Select the optimum CPU for your application



| | | | CP1E | | | | | | | | | | | |
|-----------------|--|-----------------|---|------------------|------------------|------------------|------------------|---|-------------------|-----------------------|-------------------|-------------------|-------------------|--|
| | | | E-type | | | | | N-type | | | | | | |
| | | | CP1E —E10D□—□ | CP1E —E14DR—A | CP1E —E20DR—A | CP1E —E30DR—A | CP1E —E40DR—A | CP1E —N14D□—□ | CP1E —N20D□—□ | CP1E —NA20D□—□ | CP1E —N30D□—□ | CP1E —N40D□—□ | CP1E —N60D□—□ | |
| I/O | Digital Inputs | | 6 | 8 | 12 | 18 | 24 | 8 | 12 | 12 | 18 | 24 | 36 | |
| | Digital Outputs | | 4 | 6 | 8 | 12 | 16 | 6 | 8 | 8 | 12 | 16 | 24 | |
| | Removable Terminals | | No | | | | | No | | | | | | |
| | Total I/O Capacity | | 10 | 14 | 20 | 150 | 160 | 14 | 20 | 140 | 150 | 160 | 180 | |
| | CP1W Expansion Units | | No | | | Yes (3 max.) | | No | | Yes (3 max.) | | | | |
| | CJ—Series Special I/O and CPU Bus Units | | No | | | | | No | | | | | | |
| | Interrupt/Quick/Counter Inputs | | 4 | 6 | | | | 6 | | | | | | |
| | High—speed Counter Inputs | | 5 (10 kHz max.) | 6 (10 kHz max.) | | | | 2 (100 kHz max.) and 4 (10 kHz max.) | | | | | | |
| | Pulse Outputs (transistor outputs models only) | | No | | | | | 2 axes (100 kHz max.) | | | | | | |
| | Analog I/O (embedded) | | No | | | | | No | | 2 inputs, 1 output | No | | | |
| | Analog Adjuster (0—255) | | Yes (2) | | | | | Yes (2) | | | | | | |
| | External Analog Settings Input (resolution 1/256) | | No | | | | | No | | | | | | |
| Optional boards | Number of boards supported | | 0 | | | | | 0 | | 1 | | | | |
| | Serial Communications (CP1W—CIF01/11/12) | | No | | | | | No | | Yes | | | | |
| | Ethernet (CP1W—CIF41) | | No | | | | | No | | Yes | | | | |
| | LCD Display (CP1W—DAM01) | | No | | | | | No | | | | | | |
| | Analog I/O boards | | No | | | | | No | | | | | | |
| CPU details | Programming port | | USB | | | | | USB | | | | | | |
| | RS—232C port (embedded) | | No | | | | | Yes (1) | | | | | | |
| | Function Blocks support (Ladder diagrams or ST language) | | No | | | | | No | | | | | | |
| | Processing Speed (minimum) | | 1.19 µs / Basic instruction, 7.9 µs / Special instruction | | | | | 1.19 µs / Basic instruction, 7.9 µs / Special instruction | | | | | | |
| | Program Capacity | | 2K steps | | | | | 8K steps | | | | | | |
| | Data Memory Capacity | | 2K words | | | | | 8K words | | | | | | |
| | Memory Cassette (CP1W—ME05M) | | No | | | | | No | | | | | | |
| | Real—Time Clock | | No | | | | | Yes (with optional battery) | | | | | | |
| Relay Outputs | Battery | | No | | | | | Optional | | | | | | |
| | 7—Segment Display | | No | | | | | No | | | | | | |
| | AC Power Supply | | CP1E —E10DR—A | CP1E —E14DR—A | CP1E —E20DR—A | CP1E —E30DR—A | CP1E —E40DR—A | CP1E —N14DR—A | CP1E —N20DR—A | CP1E —NA20DR—A | CP1E —N30DR—A | CP1E —N40DR—A | CP1E —N60DR—A | |
| | DC Power Supply | | CP1E —E10DR—D | — | — | — | — | CP1E —N14DR—D | CP1E —N20DR—D | — | CP1E —N30DR—D | CP1E —N40DR—D | CP1E —N60DR—D | |
| | Sink Type | AC Power Supply | CP1E —E10DT—A | — | — | — | — | CP1E —N14DT—A | CP1E —N20DT—A | — | CP1E —N30DT—A | CP1E —N40DT—A | CP1E —N60DT—A | |
| | | DC Power Supply | CP1E —E10DT—D | — | — | — | — | CP1E —N14DT—D | CP1E —N20DT—D | CP1E —NA20DT—D | CP1E —N30DT—D | CP1E —N40DT—D | CP1E —N60DT—D | |
| | Source Type | AC Power Supply | CP1E —E10DT1—A | — | — | — | — | CP1E —N14DT1—A | CP1E —N20DT1—A | — | CP1E —N30DT1—A | CP1E —N40DT1—A | CP1E —N60DT1—A | |
| | | DC Power Supply | CP1E —E10DT1—D | — | — | — | — | CP1E —N14DT1—D | CP1E —N20DT1—D | CP1E —NA20DT1—D | CP1E —N30DT1—D | CP1E —N40DT1—D | CP1E —N60DT1—D | |

Note: This table is a general overview only. For details, refer to the CP1E datasheet (Cat. No. P061), CP1L datasheet (Cat. No. P081) or CP1H datasheet (Cat. No. P080).



| | CP1L | | | | | | | | | CP1H | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|---|---------------------|--------------------|--|-------------------|-----------------------|
| | L-type | | | M-type | | | EL-type | EM-type | | | | |
| | CP1L -L10D□-□ | CP1L -L14D□-□ | CP1L -□L20D□-□ | CP1L -□M30D□-□ | CP1L -□M40D□-□ | CP1L -M60D□-□ | CP1L -EL20D□-□ | CP1L -EM30D□-□ | CP1L -EM40D□-□ | CP1H -Y20DT-D | CP1H -X40D□-□ | CP1H -XA40D□-□ |
| | 6 | 8 | 12 | 18 | 24 | 36 | 12 | 18 | 24 | 12 | 24 | 24 |
| | 4 | 6 | 8 | 12 | 16 | 24 | 8 | 12 | 16 | 8 | 16 | 16 |
| | No | | | Yes | | | No | Yes | | Yes | | |
| | 10 | 54 | 60 | 150 | 160 | 180 | 60 | 150 | 160 | 300 | 320 | 320 |
| | No | Yes (1 max.) | | Yes (3 max.) | | | Yes (1 max.) | Yes (3 max.) | | Yes (7 units or 15 input words / 15 output words max.) | | |
| | No | | | | | | No | | | Yes (2 max.) | | |
| | 2 | 4 | 6 | | | | 6 | | | 6 | 8 | |
| | 4 (100 kHz max.) | | | | | | 4 (100 kHz max.) | | | 2 (100 kHz max.) and 2 Line-driver (1 MHz) | | 4 (100 kHz max.) |
| | 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.) |
| | No | | | | | | 2 inputs | | | No | | 4 inputs, 2 outputs |
| | Yes (1) | | | | | | No | | | Yes (1) | | |
| | Yes (0-10V) | | | | | | No | | | Yes (0-10V) | | |
| | 0 | 1 | | 2 | | | 1 | 2 | | 2 | | |
| | No | Yes | | | | | Yes | | | Yes | | |
| | No | Yes | | | | | No | | | Yes | | |
| | No | Yes | | | | | Yes | | | Yes | | |
| | No | | | | | | Yes | | | No | | |
| | USB | | | | | | Ethernet | | | USB | | |
| | No | | | | | | No | | | No | | |
| | Yes | | | | | | Yes | | | Yes | | |
| | 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 | | |
| | 5K steps | | | 10K steps | | | 5K (+10K FB) steps | 10K (+10K FB) steps | | 20K steps | | |
| | 10K words | | | 32K words | | | 10K words | 32K words | | 32K words | | |
| | Yes | | | | | | Yes | | | Yes | | |
| | Yes | | | | | | Yes | | | Yes | | |
| | Yes | | | | | | Yes | | | Yes | | |
| | No | | | | | | No | | | Yes | | |
| | CP1L -L10DR-A | CP1L -L14DR-A | CP1L -L20DR-A | CP1L -M30DR-A | CP1L -M40DR-A | CP1L -M60DR-A | - | - | - | - | CP1H -X40DR-A | CP1H -XA40DR-A |
| | 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 | - | - | - |
| | CP1L -L10DT-A | CP1L -L14DT-A | CP1L -L20DT-A | CP1L -M30DT-A | CP1L -M40DT-A | CP1L -M60DT-A | - | - | - | - | - | - |
| | 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 |
| | - | - | - | - | - | - | - | - | - | - | - | - |
| | 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 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

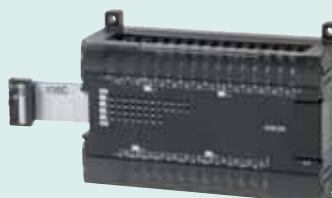


CP1W-16ER
Relay outputs: 16

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)

Analog Output Unit

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

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



Analog I/O Unit

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

Temperature Sensor Unit



CP1W-TS001
Thermocouple inputs: 2

CP1W-TS002
Thermocouple inputs: 4

CP1W-TS101
Platinum-resistance thermometer inputs: 2

CP1W-TS102
Platinum-resistance thermometer inputs: 4

CompoBus/S I/O Link Unit



CP1W-SRT21
Inputs: 8 bits
Outputs: 8 bits

DeviceNet I/O Link Unit



CPM1A-DRT21
Inputs: 32 bits
Outputs: 32 bits

Ethernet Optional Boards for CP1L, CP1L-E & CP1H Only



CP1W-EIP61
EtherNet/IP Slave, 5 total connections (1 EIP Slave, 4UDP)

CP1W-MODTCP61
Modbus/TCP Slave or Master
(1 Modbus Slave & 4 UDP connections) or (1 Modbus Master)

CP1W-ETN61
Ethernet, 8 total connections (4TCP, 4UDP)

Optional Boards



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



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



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



CP1W-CIF41
Ethernet (Cannot be
used with CP1L-E)



CP1W-DAM01
Display 4 rows,
12 characters

For CP1L-E Only



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



CP1W-DAB21V
Analog
2 outputs, 0-10 V



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

USB Programming Cable



USB-AB-6BLK
A-type male to B-type male,
Length: 6 ft.

Memory Cassette



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

Switch Input Board



CP1W-SWB06



CP1W-BAT01 (CP1E)
CJ1W-BAT01 (CP1L/H)

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/CPM1A Expansion Units
include I/O Connection Cables (in
lengths of approx. 6 cm) for
side-by-side connection.

Note 1: This table is a general overview only. For details, refer to the CP1E datasheet (Cat. No. P061), CP1L datasheet (Cat. No. P081) or CP1H datasheet (Cat. No. P080).

Note 2: CPM1A Expansion Unit and Expansion I/O Units can be used with CP1H, CP1L or CP1E CPU Units under the same conditions as for the CP1W.

Software

| Software | License | Media | Model |
|-------------|---------------------------|-------|-------------------|
| CX-One | Standard License, ** user | DVD | CXONE-AL**D-V4 |
| | Upgrade License, ** user | DVD | CXONE-AL**D-V4-UP |
| | Standard License, ** user | CD | CXONE-AL**D-V4 |
| | Upgrade License, ** user | CD | CXONE-AL**D-V4-UP |
| CX-One LITE | Standard License, 1 user | CD | CXONE-LT01C-V4 |
| | Upgrade License, 1 user | CD | CXONE-LT01C-V4-UP |

** Indicates number of users, either 01, 03, 10, 30, 50, or XX (Site)

CX-One LITE includes: CX-Programmer, CX-Designer, CX-Simulator, CX-Drive, CX-Thermo, CX-Sensor, CX-Integrator, CX-Server, CX-ConfiguratorFDT, NV-Designer, FB/SAP, PLC Tools/Utilities.

Supported PLCs: CP1E, CP1L, CP1H, CPM1, CPM1A, CPM2A, CPM2C, SRM1.

CX-One supported OS: Windows 7, Windows Vista® or Windows XP (SP3 or higher).

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.

CJ Unit Adaptor
CP1W-EXT01

Up to 7 CP1W Expansion Units and Expansion I/O Units can be connected.

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 | Universal Analog Input Unit | CJ1W-AD04U | Motion/Position Control Units | Position Control Units | CJ1W-NC113 |
| | Analog Input Unit | CJ1W-AD041-V1 | | | CJ1W-NC133 |
| | | CJ1W-AD042 | | | CJ1W-NC213 |
| | | CJ1W-AD081-V1 | | | CJ1W-NC233 |
| | Analog Output Unit | CJ1W-DA021 | | | CJ1W-NC413 |
| | | CJ1W-DA041 | | | CJ1W-NC433 |
| | | CJ1W-DA042V | | MECHATROLINK-II Position Control Unit | CJ1W-NCF71 |
| | | CJ1W-DA08V | | | CJ1W-NCF71-MA |
| | | CJ1W-DA08C | | | CJ1W-NC271 |
| | | | | | CJ1W-NC471 |
| | Analog Input/Output Unit | CJ1W-MAD42 | | MECHATROLINK-II Motion Control Unit | CJ1W-MCH71 |
| | Universal analog Input Unit | CJ1W-PH41U | Communication Units | Serial Communication Units | CJ1W-SCU21-V1 |
| | Process Input Unit | CJ1W-PDC15 | | | CJ1W-SCU22 |
| | Thermocouple Input Unit | CJ1W-PTS15 | | | CJ1W-SCU31-V1 |
| | | CJ1W-PTS51 | | | CJ1W-SCU32 |
| | Resistance Thermometer Input Unit | CJ1W-PTS16 | | | CJ1W-SCU41-V1 |
| | | CJ1W-PTS52 | | | CJ1W-SCU42 |
| | Temperature Control Loops, Thermocouple Unit | CJ1W-TC001 | | Ethernet Unit | CJ1W-ETN21 |
| | | CJ1W-TC002 | | EtherNet/IP Unit | CJ1W-EIP21 |
| | | CJ1W-TC003 | | High-speed Data Logging Unit | CJ1W-SPU01-V2 |
| | | CJ1W-TC004 | | DeviceNet Master Unit | CJ1W-DRM21 |
| Motion/Position Control Units | Temperature Control Loops, RTD | CJ1W-TC101 | | CompoNet Master Unit | CJ1W-CRM21 |
| | | CJ1W-TC102 | | CompoBus/S Master Unit | CJ1W-SRM21 |
| | | CJ1W-TC103 | | PROFINET I/O Controller Unit | CJ1W-PNT21 |
| | | CJ1W-TC104 | | PROFIBUS DP-V1 Master Unit | CJ1W-PRM21 |
| | SSI Input Unit | CJ1W-CTS21-E | | PROFIBUS DP Slave Unit | CJ1W-PRT21 |
| | High-speed Counter Unit | CJ1W-CT021 | | Controller Link Unit | CJ1W-CLK23 |
| | 4-Channel Counter Unit | CJ1W-CTL41-E | | CAN Communication Unit | CJ1W-CORT21 |
| | 24VDC Motor Control Unit | CJ1W-DCM11-E | | Control Units | RFID Sensor Controller Unit |
| | | | | | CJ1W-V680C11 |
| | | | | | CJ1W-V680C12 |

Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

OMRON AUTOMATION AND SAFETY • THE AMERICAS HEADQUARTERS • Schaumburg, IL USA • 847.843.7900 • 800.556.6766 • www.omron247.com

OMRON CANADA, INC. • HEAD OFFICE

Toronto, ON, Canada • 416.286.6465 • 866.986.6766 • www.omron247.com

OMRON ELECTRONICS DE MEXICO • HEAD OFFICE

México DF • 52.55.59.01.43.00 • 001.800.556.6766 • mela@omron.com

OMRON ELECTRONICS DE MEXICO • SALES OFFICE

Apodaca, N.L. • 52.81.11.56.99.20 • 001.800.556.6766 • mela@omron.com

OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE

São Paulo, SP, Brasil • 55.11.2101.6300 • www.omron.com.br

OMRON ARGENTINA • SALES OFFICE

Cono Sur • 54.11.4783.5300

OMRON CHILE • SALES OFFICE

Santiago • 56.9.9917.3920

OTHER OMRON LATIN AMERICA SALES

54.11.4783.5300

OMRON EUROPE B.V. • Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. • Tel: +31 (0) 23 568 13 00 • Fax: +31 (0) 23 568 13 88 • www.industrial.omron.eu

Authorized Distributor:

Automation Control Systems

- Machine Automation Controllers (MAC) • Programmable Controllers (PLC)
- Operator interfaces (HMI) • Distributed I/O • Software

Drives & Motion Controls

- Servo & AC Drives • Motion Controllers & Encoders

Temperature & Process Controllers

- Single and Multi-loop Controllers

Sensors & Vision

- Proximity Sensors • Photoelectric Sensors • Fiber-Optic Sensors
- Amplified Photomicrosensors • Measurement Sensors
- Ultrasonic Sensors • Vision Sensors • RFID/Code Readers

Industrial Components

- Relays • Pushbuttons & Indicators • Limit and Basic Switches • Timers
- Counters • Metering Devices • Power Supplies

Safety

- Laser Scanners • Safety Mats • Edges and Bumpers
- Programmable Safety Controllers • Light Curtains • Safety Relays
- Safety Interlock Switches

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Omron:

[CP1W-MAB221](#) [CP1L-EL20DR-D](#) [CP1L-EM30DT-D](#) [CP1L-EM40DT-D](#) [CP1L-EM40DR-D](#) [CP1L-EM40DT1-D](#)
[CP1W-DAB21V](#) [CP1L-EM30DT1-D](#) [CP1L-EM30DR-D](#) [CP1L-EL20DT1-D](#) [CP1W-ADB21](#) [CP1L-EL20DT-D](#)