

CP1H

Model Number Structure

■ Model Number Legend (Not all models that can be represented with the model number legend can necessarily be produced.)

CP1H-□□D□-□
 (1) (2) (3) (4)

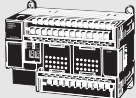
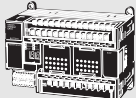
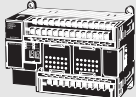
1. Class
 X : Basic model
 XA : Built-in analog I/O terminals
 Y : Dedicated pulse I/O terminals
2. Number of Built-In number I/O points
 40 : 40 I/O points
 20 : 20 I/O points
3. Output classification
 R : Relay output
 T : Transistor Output (sinking)
 T1 : Transistor Output (sourcing)
4. Power supply
 A : AC
 D : DC

Ordering Information

Applicable standards

Refer to the OMRON website (www.ia.omron.com) or ask your OMRON representative for the most recent applicable standards for each model.

■ CPU Units

CPU Unit	Specifications					Model
	CPU type	Power supply	Output method	Inputs	Outputs	
CP1H-X CPU Units 	Memory capacity: 20K steps High-speed counters: 100 kHz, 4 axes Pulse outputs: 100 kHz, 4 axes (Models with transistor outputs only)	AC power supply	Relay output	24	16	CP1H-X40DR-A
		DC power supply	Transistor output (sinking)			CP1H-X40DT-D
			Transistor output (sourcing)			CP1H-X40DT1-D
CP1H-XA CPU Units 	Memory capacity: 20K steps High-speed counters: 100 kHz, 4 axes Pulse outputs: 100 kHz, 4 axes (Models with transistor outputs only) Analog inputs: 4 Analog outputs: 2	AC power supply	Relay output	24	16	CP1H-XA40DR-A
		DC power supply	Transistor output (sinking)			CP1H-XA40DT-D
			Transistor output (sourcing)			CP1H-XA40DT1-D
CP1H-Y CPU Units 	Memory capacity: 20K steps High-speed counters: 1 MHz, 2 axes 100 kHz, 2 axes Pulse outputs: 1 MHz, 2 axes 100 kHz, 2 axes	DC power supply	Transistor output (sinking)	12 + line-driver input, 2 axes	8 + line-driver output, 2 axes	CP1H-Y20DT-D

Note: 1. CP1H PLCs are supported by CX-Programmer version 6.1 or higher.

2. Purchase a separately sold Option Unit if you will use RS-232C, RS-422A/485, Ethernet, or LCD.

■ Options for CPU Units

Name	Specifications	Model
RS-232C Option Board 	Can be mounted in either CPU Unit Option Board slot 1 or 2.	CP1W-CIF01
RS-422A/485 Option Board 		CP1W-CIF11
RS-422A/485 (Isolated-type) Option Board 		CP1W-CIF12-V1
Ethernet Option Board 	Can be mounted in either CPU Unit Option Board slot 1 or 2. *	CP1W-CIF41
LCD Option Board 	Can be mounted only in the CPU Unit Option Board slot 1.	CP1W-DAM01
Memory Cassette 	Can be used for backing up programs or auto-booting.	CP1W-ME05M

* When using CP1W-CIF41 Ver.1.0, one Ethernet port can be added.

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