

INDUSTRIAL COMPONENT DATA

CP1H-XA40DT-D CP1W0002G CP1HXA40DTD OMRON CPU 24/16 I/O DC in NPN 4EA 2SA

Brand: OMRON | Manufacturer Part Number: CP1H-XA40DT-D



Manufacturer	OMRON
MPN / Reference	CP1H-XA40DT-D
Catalog number	CP1HXA40DTD
Category	PLC CPU-module
Minimum order	1 Pcs
Document ID	EO-5CE02C5F69
Generated	2026-08-02

Product Overview

CPU 24/16 I/O DC in NPN 4EA 2SA

PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 4 x analog inputs, 2 x analog outputs, 20K steps program + 32K words data memory

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path OMRON > Control Systems

Additional Product Information

Specifications

Supply voltage type DC

Number of digital inputs 24

Input type PNP/NPN

Number of digital outputs 16

Output type NPN

Program capacity 20 K steps

Data memory capacity 32 K words

Logic execution time 0.10 µs

Communication port(s) USB

Number of Ethernet ports 0

Number of USB ports 1

Number of RS-232 ports 0

Number of RS-485 ports 0

Communication option(s) CAN, CompoNet Master, DeviceNet Master, DeviceNet Slave, EtherCAT Slave, EtherNet/IP, Ethernet TCP/IP, MODBUS Master, MODBUS Slave, PROFIBUS DP Master, PROFIBUS DP Slave, PROFINET Master, Serial RS-232C, Serial RS-422, Serial RS-485

Number of analog inputs 4

Number of analog outputs 2

Number of encoder input channels 4

Max. encoder input frequency 100 kHz

Max. number of PTP axes 4

Max. pulse output frequency 100 kHz

Function Block programming

Battery-free memory backup

Real-time clock

Analogue option boards

Max. number of analogue I/O channels 62

Max. number of local I/O points 320

Max. number of expansion units 7

Built-in auxiliary 24 VDC output 0 mA

Operating temperature range 0-55 °C

Product Height (unpacked) 90 mm

Product Width (unpacked) 150 mm

Product Depth (unpacked) 85 mm

Product Weight (unpacked) 600 g

Accessories

CP1W-CIF01 CP1 RS-232C (15 m max.) serial communication option board

CP1W-CIF11 CP1 RS422/485 (50 m max.) serial communication option board

CP1W-CIF12-V1 CP1 RS422/485 (isolated 500 m max.) serial communication option board

CP1W-CIF41 CP1 Ethernet communications option, 1 x RJ45 socket

CP1W-CN22...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / CP1H-XA40DT-D with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.