

INDUSTRIAL COMPONENT DATA

CP1H-X40DT-D CP1W0005A CP1HX40DTD OMRON CPU 24/16 I/O DC in NPN

Brand: OMRON | Manufacturer Part Number: CP1H-X40DT-D



Manufacturer	OMRON
MPN / Reference	CP1H-X40DT-D
Catalog number	CP1HX40DTD
Category	PLC CPU-module
Minimum order	1 Pcs
Document ID	EO-041BE9867B
Generated	2026-07-31

Product Overview

CPU 24/16 I/O DC in NPN

PLC, 24 VDC supply, 24 x 24 VDC inputs, 16 x NPN outputs 0.3 A, 1 x analog input, 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

Supply voltage typeDCNumber of digital inputs24Input typePNP/NPNNumber of digital outputs16Output typeNPNProgram capacity20 K stepsData memory capacity32 K wordsLogic execution time0.10 µsCommunication port(s)USBNumber of Ethernet ports0Number of USB ports1Number of RS-232 ports0Number of RS-485 ports0Communication 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-485Number of analog inputs0Number of analog outputs0Number of encoder input channels4Max. encoder input frequency100 kHzMax. number of PTP axes4Max. pulse output frequency100 kHzFunction Block programmingBattery-free memory backupReal-time clockAnalogue option boardsMax. number of analogue I/O channels56Max. number of local I/O points320Max. number of expansion units7Built-in auxiliary 24 VDC output0 mAOperating temperature range0-55 °CProduct Height (unpacked)90 mmProduct Width (unpacked)150 mmProduct Depth (unpacked)85 mmProduct Weight (unpacked)600 g

ETIM for 209401 PLC's (EC000236)

Feature Name

Feature Value

Performance level according to EN ISO 13849-1 (EF007399)

Level a

Model (EF000010)

Compact

SIL according to IEC 61508 (EF009889)

None

Voltage type (supply voltage) (EF002991)

DC

Explosion safety category for gas (EF003997)

None

Explosion safety category for dust (EF003998)

None

Type of memory (EF002996)

FLASH

Radio standard...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / CP1H-X40DT-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.