

INDUSTRIAL COMPONENT DATA

NX1P2-1040DT NX010065C NX1P21040DT OMRON NX1P Machine Controller, 24/16 I/O Transistor (NPN), 2-axis synchro..

Brand: OMRON | Manufacturer Part Number: NX1P2-1040DT



Manufacturer	OMRON
MPN / Reference	NX1P2-1040DT
Catalog number	NX1P21040DT
Category	PLC CPU-module
Minimum order	1 Pcs
Document ID	EO-6ABCB7FCD8
Generated	2026-08-02

Product Overview

NX1P Machine Controller, 24/16 I/O Transistor (NPN), 2-axis synchronized + 4 axes PTP
Sysmac NX1P CPU with 40 Digital Transistor I/O (NPN), 1.5 MB memory, EtherCAT (2 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path OMRON > Integrated Automation > Machine Controllers NX1P2

Additional Product Information

Primary task cycle time2 msProgram memory1.5 MBVariables memory2 MBMax. number of synchronous axes2Max. number of PTP axes4Number of digital inputs24Input typePNP/NPNNumber of digital outputs16Output typeNPNNumber of serial option boards2Max. number of expansion units8Max. number of remote I/O nodes16Communication port(s)EtherCAT Master, EtherNet/IP, Ethernet TCP/IPNumber of Ethernet ports2Number of USB ports0Communication option(s)Serial RS-232C, Serial RS-422, Serial RS-485Real-time clockSupply voltage DC20.4-28.8 VProduct Height (unpacked)100 mmProduct Width (unpacked)148 mmProduct Depth (unpacked)71 mmProduct Weight (unpacked)650 g
ETIM for 672500 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 UMTS (EF008525)
No
Supporting protocol for EtherCAT (EF017564)
Yes
Appendant operation agent (Ex ib) (EF004142)
No
Supporting protocol for other bus systems (EF003062)
Yes
Supporting protocol for SERCOS (EF006657)
No
IO link master (EF007298)
No
Rack-assembly possible (EF007018)
No
Supporting protocol for KNX (EF003055)
No
Supporting protocol for LON (EF003017)
No
Supporting protocol for SUCONET (EF003060)
No
Supporting protocol for IEC 60870 (EF016069)
No
Supportin...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NX1P2-1040DT 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.