

INDUSTRIAL COMPONENT DATA

NX502-1500 NX010309A NX5021500 OMRON Sysmac NX5 CPU with SQL Database Connectivity, 80 MB program and 260 MB..

Brand: OMRON | Manufacturer Part Number: NX502-1500



Manufacturer	OMRON
MPN / Reference	NX502-1500
Catalog number	NX5021500
Category	PLC CPU-module
Minimum order	1 Pcs
Document ID	EO-4470F99851
Generated	2026-07-29

Product Overview

Sysmac NX5 CPU with SQL Database Connectivity, 80 MB program and 260 MB data memory, built-in EtherCAT (64 servo axes, in total 256 EtherCAT nodes) and 2 Ethernet ports (OPC-UA and EtherNet/IP)

Sysmac NX5 CPU with SQL Database Connectivity, 80 MB program and 260 MB data memory, built-in EtherCAT (64 servo axes, in total 256 EtherCAT nodes) and 2 Ethernet ports (OPC-UA and EtherNet/IP)

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 NX1

Additional Product Information

Controller functionalityDB connection, Motion control, OPC-UA, Sequence controlPrimary task cycle time0.250 msProgram memory80 MBVariables memory260 MBMax. number of synchronous axes64Max. number of axes (incl. virtual)128Communication port(s)EtherCAT Master, EtherNet/IP, Ethernet TCP/IPCommunication option(s)EtherCAT Slave, Ethernet TCP/IP, IO-Link, Serial RS-232C, Serial RS-422, Serial RS-485Max. number of remote I/O nodes256I/O systemNX I/O BusMax. number of expansion units63Product Weight (unpacked)946.468 g
ETIM for 720272 PLC's (EC000236)

Feature Name

Feature Value

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

None

Model (EF000010)

Modular

SIL according to IEC 61508 (EF009889)

None

Voltage type (supply voltage) (EF002991)

AC/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

Supporting protocol for EtherNet/IP (EF007521)

Yes

Supporting protocol for DNP3 (EF016068)

No

Radio standard GSM (EF008524)

No

Supporti...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NX502-1500 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.