

INDUSTRIAL COMPONENT DATA

NJ501-R320 NX010227C NJ501R320 OMRON Robotic Integrated Controller NJ5: 8 robots and 16 servo axes, SQL client..

Brand: OMRON | Manufacturer Part Number: NJ501-R320



Manufacturer	OMRON
MPN / Reference	NJ501-R320
Catalog number	NJ501R320
Category	PLC CPU-module
Minimum order	1 Pcs
Document ID	EO-BF4D7615F1
Generated	2026-07-31

Product Overview

Robotic Integrated Controller NJ5: 8 robots and 16 servo axes, SQL client

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 NJ5

Additional Product Information

Controller functionalityDB connection, Motion control, Robotics, Sequence controlMax. number of robots8Max. number of synchronous axes16Max. number of axes (incl. virtual)16Primary task cycle time0.5 msProgram memory20 MBVariables memory6 MBCommunication port(s)EtherCAT Master, EtherNet/IP, USBCommunication option(s)CAN, CompoNet Master, DeviceNet Master, DeviceNet Slave, EtherCAT Slave, MODBUS Master, MODBUS Slave, PROFIBUS DP Master, PROFIBUS DP Slave, PROFINET Master, Serial RS-232C, Serial RS-422, Serial RS-485Max. number of remote I/O nodes192I/O systemCJ I/O BusMax. number of expansion units40Product Weight (unpacked)550 g
ETIM for 699956 PLC's (EC000236)

Feature Name

Feature Value

Model (EF000010)

Modular

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 (EF00852...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NJ501-R320 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.