

## INDUSTRIAL COMPONENT DATA

# NJ501-R520 NX010229M NJ501R520 OMRON Robotic Integrated Controller NJ5: 8 robots and 64 servo axes, SQL clie..

Brand: OMRON | Manufacturer Part Number: NJ501-R520



|                 |                |
|-----------------|----------------|
| Manufacturer    | OMRON          |
| MPN / Reference | NJ501-R520     |
| Catalog number  | NJ501R520      |
| Category        | PLC CPU-module |
| Minimum order   | 1 Pcs          |
| Document ID     | EO-35B1B785E1  |
| Generated       | 2026-08-03     |

## Product Overview

Robotic Integrated Controller NJ5: 8 robots and 64 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 axes64Max. number of axes (incl. virtual)64Primary 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)673.752 g  
ETIM for 699958 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 (EF0...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NJ501-R520 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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