

INDUSTRIAL COMPONENT DATA

NJ501-4300 NX010009B NJ5014300 OMRON NJ501 Machine Controller + Robotics 16 Axes

Brand: OMRON | Manufacturer Part Number: NJ501-4300



Manufacturer	OMRON
MPN / Reference	NJ501-4300
Catalog number	NJ5014300
Category	PLC CPU-module
Minimum order	1 Pcs
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Product Overview

NJ501 Machine Controller + Robotics 16 Axes

Sysmac NJ5 CPU with Robot kinematics (max 4 robots), 20MB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) 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 NJ5**

Additional Product Information

Specifications

Controller functionality Motion control, Robotics, Sequence control

Max. number of synchronous axes 16

Max. number of axes (incl. virtual) 16

Max. number of robots 4

Primary task cycle time 0.5 ms

Program memory 20 MB

Variables memory 6 MB

Communication port(s) EtherCAT Master, EtherNet/IP, USB

Communication 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-485

Max. number of remote I/O nodes 192

I/O system CJ I/O Bus

Max. number of expansion units 40

Height 90 mm

Width 90 mm

Depth 90 mm

Weight 530 g

Accessories

GX-JC03 3-port EtherCAT Junction module, 24 VDC power supply

GX-JC06 6-port EtherCAT Junction module, 24 VDC power supply

GX-JC06-H 6-port EtherCAT Junction module, 24 VDC power supply, with node switches

HMC-SD491 4 GB SD memory card

NJ-PA3001 Sysmac NJ power supply unit, 100-240 VAC, 30 W, "RUN" output relay

NJ-PD3001 Sysmac NJ power supply unit, 24 VDC, 30 W, "RUN" output relay

W4S1-03B 3-port basic Ethernet switch

W4S1-05D 5-port enhanced Ethernet switch

ETIM for 368567 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)

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REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NJ501-4300 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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