

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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