

INDUSTRIAL COMPONENT DATA

NJ501-5300 NX010104H NJ5015300 OMRON NJ501 Machine Controller + CNC

Brand: OMRON | Manufacturer Part Number: NJ501-5300



Manufacturer	OMRON
MPN / Reference	NJ501-5300
Catalog number	NJ5015300
Category	PLC CPU-module
Minimum order	1 Pcs
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Product Overview

NJ501 Machine Controller + CNC

Sysmac NJ5 CNC CPU, 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 CNC, Motion control, Sequence control

Max. number of synchronous axes 16

Max. number of axes (incl. virtual) 16

Max. number of robots 0

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 550 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 679768 PLC's (EC000236)

Feature Name

Feature Value

Model (EF000010)

Modular

SIL according to IEC 61508 (EF009889)

None

Voltage type (supply voltage) (EF002991)

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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NJ501-5300 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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