



NJ501-1300

SyMac NJ5 CPU, 20 mB memory, built-in EtherCAT (16 servo axes, in total 192 EtherCAT nodes) and EtherNet/IP

Specifications

Controller functionality	Motion control, OPC-UA, 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
Product Height (unpacked)	96 mm
Product Width (unpacked)	90 mm
Product Depth (unpacked)	150 mm
Product Weight (unpacked)	550 g

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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-SD493

SD memory card, 4 GB



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



W4S1-05D

5-port enhanced Ethernet switch

Spare parts



CJ1W-BAT01

Battery for CJ1M PLCs



CJ1W-TER01

End plate for CJ1 CPU rack or expansion rack. Only required as spare part.

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EN PDF 1.8 MB



NJ/NX-series Machine Automation Controller Database Connection CPU Unit

Brochure

EN PDF 1.34 MB



NJ/NX/NY-series Sysmac Library User's Manual for Safety System Monitor Library

Users Manual

EN PDF 922 KB



NX1-series + NX-ILM400 -[IO-Link]- SMC D-MP# Actuator Position Sensor

Connection Guide

EN PDF 1.88 MB



OEN Sample and Library files

Connection Guide

EN ZIP 9.25 MB



Omron GX-JC0x-x EtherCAT Junction Box

EtherCAT ESI file

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Redundancy and Motion Safety

Flyer

EN PDF 960 KB



Sysmac Catalogue

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Sysmac CNC Brochure

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Sysmac Studio Operation Manual

EN PDF 70.3 MB



Sysmac: A Fully Integrated Platform Brochure

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