



## NJ101-9020

Sysmac NJ1 CPU with Database Connectivity, 3MB memory, built-in EtherCAT (0 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP

# Specifications

<b>Controller functionality</b>	DB connection, Sequence control
<b>Max. number of synchronous axes</b>	0
<b>Max. number of axes (incl. virtual)</b>	0
<b>Primary task cycle time</b>	1 ms
<b>Program memory</b>	3 MB
<b>Variables memory</b>	0.5 MB
<b>Communication port(s)</b>	EtherCAT Master, EtherNet/IP, USB
<b>Communication option(s)</b>	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
<b>Max. number of remote I/O nodes</b>	64
<b>I/O system</b>	CJ I/O Bus
<b>Max. number of expansion units</b>	40
<b>Product Height (unpacked)</b>	97.5 mm
<b>Product Width (unpacked)</b>	90 mm
<b>Product Depth (unpacked)</b>	90 mm
<b>Product Weight (unpacked)</b>	550 g

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**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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### NJ/NX-series - [EtherNet/IP]- ifm IO-Link master (AL1322)

Connection Guide

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### NJ/NX-series - [EtherNet/IP]- ifm IO-Link master (AL1920)

Connection Guide

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### 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 Boost Machine Performance

Leaflet

EN PDF 1.88 MB



### NX1 Boost the Productivity

Leaflet

EN PDF 547 KB



### NX1 Production Data Visibility

Leaflet

EN PDF 572 KB



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

Connection Guide

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### OEN Sample and Library files

#### Connection Guide

EN ZIP 9.25 MB



### Omron GX-JC0x-x EtherCAT Junction Box

#### EtherCAT ESI file

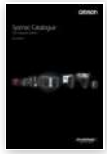
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### Redundancy and Motion Safety

#### Flyer

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### Sysmac Catalogue

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### Sysmac: A Fully Integrated Platform Brochure

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