



NX102-1200

Sysmac NX1 Modular CPU with Database Connectivity, 5MB program and 33.5MB data memory, built-in EtherCAT (8 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (OPC-UA and EtherNet/IP)

Specifications

| | |
|--|---|
| Controller functionality | DB connection, Motion control, OPC-UA, Position control, Sequence control |
| Max. number of synchronous axes | 8 |
| Max. number of PTP axes | 4 |
| Max. number of axes (incl. virtual) | 15 |
| Primary task cycle time | 1 ms |
| Program memory | 5 MB |
| Variables memory | 33.5 MB |
| Communication port(s) | EtherCAT Master, EtherNet/IP, Ethernet TCP/IP |
| Communication option(s) | Serial RS-232C, Serial RS-422, Serial RS-485 |
| Max. number of remote I/O nodes | 64 |
| I/O system | NX I/O Bus |
| Max. number of expansion units | 32 |
| Product Height (unpacked) | 100 mm |
| Product Width (unpacked) | 66 mm |
| Product Depth (unpacked) | 100 mm |
| Product Weight (unpacked) | 470 g |

Accessories



CJ1W-BAT01

Battery for CJ1M PLCs



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



W4S1-05D

5-port enhanced Ethernet switch

Spare parts

NX-END02

Spare part - End plate for NX1P controller

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Machine Safety Solution Brochure

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NJ-series -[EtherCAT]- ORIENTAL MOTOR aSTEP DC Multi-Axis Drive (AZDxA-KED)

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NJ-series -[EtherNet/IP]- SMC AMS-S Series

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NJ-series -[Ethernet TCP/IP]- Hioki LCR Meter (IM3536)

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NJ/NX-Series CPU Unit Motion Control

EN PDF 19.8 MB



NJ/NX-Series CPU Unit Software

EN PDF 24.2 MB



NJ/NX-Series Database Connection CPU Units

EN PDF 5.16 MB



NJ/NX-Series Instructions

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NJ/NX-Series Motion Control Instructions

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NJ/NX-Series OPC UA CPU Units

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NJ/NX-series -[EtherCAT]- CKD ABSODEX driver (AX9000TS/TH-U5)

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NJ/NX-series -[EtherCAT]- Festo MSE6-E2M

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NJ/NX-series -[EtherCAT]- HMS Anybus X-gateway ABX

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NJ/NX-series -[EtherCAT]- Hitachi ADV-Series AC Servo Drives

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NJ/NX-series -[EtherCAT]- Kashiwama Dry Vacuum Pump (E-CAT02)

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NJ/NX-series -[EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]- MTS Sensors (E-Series)

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NJ/NX-series - [EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]- PATLITE Beacon (NE-IL)

Connection Guide

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NJ/NX-series - [EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]- PATLITE Tower (LR6-IL)

Connection Guide

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NJ/NX-series - [EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]- SMC (ISA3-xxx)

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NJ/NX-series - [EtherCAT]- NittoSeiko SD600T driver controller

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NJ/NX-series - [EtherCAT]- SANYO DENKI AC Servo SANMOTION R ADVANCED MODEL TYPE F

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NJ/NX-series - [EtherCAT]- Weidmüller Remote I/O System (u- remote IP20)

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Connection Guide

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

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NJ/NX-series Machine Automation Controller

Brochure

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

Brochure

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

Users Manual

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Connection Guide

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NX-series -[RS-232C]- V320-F, V420-F, V430-F Code Readers

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Brochure

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NX1 Machine Automation Controller

Datasheet

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EtherCAT ESI file

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