



NX701-1620

Symac NX7 CPU with Database Connectivity, 80MB memory, built-in EtherCAT (128 servo axes, in total 512 EtherCAT nodes) and 2 EtherNet/IP ports

Specifications

Controller functionality	DB connection, Motion control, OPC-UA, Sequence control
Primary task cycle time	0.125 ms
Program memory	80 MB
Variables memory	260 MB
Max. number of synchronous axes	128
Max. number of axes (incl. virtual)	128
Communication port(s)	EtherCAT Master, EtherNet/IP, Ethernet TCP/IP
Communication option(s)	None
Max. number of remote I/O nodes	512
I/O system	NX I/O Bus
Max. number of expansion units	0
Product Height (unpacked)	100 mm
Product Width (unpacked)	132 mm
Product Depth (unpacked)	100 mm
Product Weight (unpacked)	880 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-SD493

SD memory card, 4 GB



NX-PA9001

Sysmac NX power supply unit, 100 to 240 VAC, 90 W, "RUN" output relay



NX-PD7001

Sysmac NX power supply unit, 24 VDC, 70 W, "RUN" output relay



W4S1-05D

5-port enhanced Ethernet switch

Spare parts



CJ1W-BAT01

Battery for CJ1M PLCs



NX-END01

Replacement end cover for NX I/O series

Downloads



AI Machine Automation Controller Brochure

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Data validity check Brochure

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EAC Mark removal Discontinuation Notice

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FDK CR14250SE Battery Safety Datasheet

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High-speed inspection Brochure

EN PDF 319 KB



Machine Safety Solution Brochure

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

EN PDF 3.99 MB



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

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

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NJ/NX Series Brochure

EN PDF 10.7 MB



NJ/NX-Series CPU Unit Motion Control Users Manual

EN PDF 19.6 MB



NJ/NX-Series CPU Unit Software Users Manual

EN PDF 18.9 MB



NJ/NX-Series Database Connection CPU Units Users Manual

EN PDF 4.16 MB



NJ/NX-Series Instructions Reference Manual

EN PDF 16.3 MB



NJ/NX-Series Motion Control Instructions Reference Manual

EN PDF 7.21 MB



NJ/NX-Series OPC UA CPU Units Users Manual

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

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NJ/NX-series -[EtherCAT]- Denso Wave RC9 Robot Connection Guide

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

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

Connection Guide

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Connection Guide

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Connection Guide

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

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NJ/NX-series - [EtherCAT]- Kawasaki F-series Robot Controller F60

Connection Guide

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NJ/NX-series - [EtherCAT]- Mitutoyo EJ-102N Linear Gage Counter

Connection Guide

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Connection Guide

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

Connection Guide

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

Connection Guide

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Connection Guide

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Connection Guide

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Connection Guide

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NJ/NX-series - [EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]-SMC Servo 24VDC (JXCL1)

Connection Guide

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NJ/NX-series - [EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]-Schmalz Ejector (SCPSi)

Connection Guide

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Connection Guide

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NJ/NX-series - [EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]-ifm (PN7x94)

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NJ/NX-series - [EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]-ifm (TN24xx)

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NJ/NX-series - [EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]-ifm TR7439 Pt100/1000

Connection Guide

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NJ/NX-series - [EtherCAT]- Nidec Sankyo S-FLAG II Series AC Servo (DB6xx41)

Connection Guide

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

Connection Guide

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NJ/NX-series - [EtherCAT]- ORIENTAL MOTOR Stepper Motor (AZ-series)

Connection Guide

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NJ/NX-series - [EtherCAT]- Oriental Motor Alpha STEP AZ series

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NJ/NX-series - [EtherCAT]- SANYO DENKI AC Servo SANMOTION R 3E MODEL TYPE S

Connection Guide

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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]- SHIMADZU Power Unit for Turbo Molecular Pump (TMP)

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NJ/NX-series - [EtherCAT]- SICK Absolute Encoder (AFS60/AFM60)

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Connection Guide

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NJ/NX-series - [EtherCAT]- Unipulse Weighing Indicator (FC400-ECT)

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

Connection Guide

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Connection Guide

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NJ/NX-series -[EtherNet TCP/IP]- HIOKI Battery HITESTER (BT356[A])

Connection Guide

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NJ/NX-series - [EtherNet/IP]- Balluff BNI EIP-50x-105-Z015

Connection Guide

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NJ/NX-series - [EtherNet/IP]- CKD ABSODEX Driver (AX9000TS/TH-U6)

Connection Guide

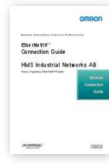
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NJ/NX-series - [EtherNet/IP]- HMS Anybus Communicator

Connection Guide

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NJ/NX-series - [EtherNet/IP]- Hilscher netTAP NT100 Gateway (NT 100-RE-DN)

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NJ/NX-series - [EtherNet/IP]- IAI RCON system & MCON / MCON / MSEP Controller

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NJ/NX-series - [EtherNet/IP]- Magnescale Digital Gauge (MG80-EI)

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NJ/NX-series - [EtherNet/IP]- Nordson ProBlue Adhesive Melters

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NJ/NX-series - [EtherNet/IP]- ORIENTAL MOTOR Alpha STEP Compatible Driver (AZD- xEP)

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Link master (AL1322)
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Link master (AL1920)
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Automation Controller
Brochure**

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

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**NX-series -[Ethernet
TCP/IP]- V330-F, V430-F
Code Readers
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**NX-series -[RS-232C]-
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