



NX1P2-1140DT1

Sysmac NX1P CPU with 40 Digital Transistor I/O (PNP), 1.5 MB memory, EtherCAT (4 servo axes, 4 PTP axes, 16 EtherCAT nodes), EtherNet/IP and 2 serial option ports

Specifications

Primary task cycle time	2 ms
Program memory	1.5 MB
Variables memory	2 MB
Max. number of synchronous axes	4
Max. number of PTP axes	4
Number of digital inputs	24
Input type	PNP/NPN
Number of digital outputs	16
Output type	PNP
Number of serial option boards	2
Max. number of expansion units	8
Max. number of remote I/O nodes	16
Communication port(s)	EtherCAT Master, EtherNet/IP, Ethernet TCP/IP
Number of Ethernet ports	2
Number of USB ports	0
Communication option(s)	Serial RS-232C, Serial RS-422, Serial RS-485
Real-time clock	✓
Supply voltage DC	20.4-28.8 V
Height	100 mm
Width	148 mm
Depth	71 mm
Weight	660 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-SD492

4 GB SD memory card



NX-PF0730

NX I/O power feed unit, 5-24 V DC input, 8 terminals, 10A, screwless push-in connector, 12mm wide



NX1W-ADB21

Sysmac NX1P Analog I/O screwless option board, 2 x analog inputs 0 to 10 V, resolution 1/4000 or 0 to 20 mA, resolution 1:2000



NX1W-CIF01

Sysmac NX1P RS-232C screwless (15 m max.) serial communication option board



NX1W-CIF11

Sysmac NX1P RS422/485 screwless (50 m max.) serial communication option board



NX1W-CIF12

Sysmac NX1P RS422/485 screwless (isolated 500 m max.) serial communication option board



NX1W-DAB21V

Sysmac NX1P Analog I/O screwless option board, 2 x analog outputs 0 to 10 V, resolution 1:4000



NX1W-MAB221

Sysmac NX1P Analog I/O screwless option board, 2 x analog inputs 0 to 10 V, resolution 1:4000 or 0 to 20 mA, resolution 1:2000, 2 x analog outputs 0 to 10 V, resolution 1:4000



SYSMAC-SE201L

Sysmac Studio license only, single user (requires SYSMAC-SE200D download or installation DVD, available separately)

	W4S1-05D	5-port enhanced Ethernet switch
	XS6W-6LSZH8SS100CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 1 m
	XS6W-6LSZH8SS200CM-B	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 2 m
	XS6W-6LSZH8SS200CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 2 m
	XS6W-6LSZH8SS20CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 0.2 m
	XS6W-6LSZH8SS500CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 5 m
	XS6W-6LSZH8SS50CM-Y	Ethernet patch cable, F/UTP, Cat.6A, LSZH (Yellow), 0.5 m

Spare parts

	CJ1W-BAT01	Battery for CJ1M PLCs
	NX-END02	Spare part - End plate for NX1P controller

Related products



NX I/O Series

Performance and practicality
for machine control

Downloads

CAD Library



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Connection Guide

EN PDF 3.99 MB



NJ-series -[EtherNet/IP]- CK3M-CPU1x1

Connection Guide

EN PDF 3.93 MB



NJ/NX-Series CPU Unit Built-in EtherCAT Port

Users Manual

EN PDF 16.3 MB



NJ/NX-Series CPU Unit Built-in EtherNet/IP Port

Users Manual

EN PDF 13.4 MB



NJ/NX-Series CPU Unit Motion Control

Users Manual

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NJ/NX-Series CPU Unit Software

Users Manual

EN PDF 22.2 MB



NJ/NX-Series Instructions

Reference Manual

EN PDF 11.7 MB



NJ/NX-Series Motion Control Instructions

Reference Manual

EN PDF 4.93 MB



NJ/NX-Series Troubleshooting Manual

Users Manual

EN PDF 9.14 MB



NJ/NX-Series for Motion Control

Getting Started Guide

EN PDF 18.1 MB



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

Connection Guide

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Connection Guide

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NJ/NX-series - [EtherCAT]- NX-ECC + NX-ILM400 -[IO-Link]- CKD WFK2 Flow sensor

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

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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]- ifm (O5D10x/O5D15x)

Connection Guide

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

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

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

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

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NJ/NX-series - [EtherCAT]- YASKAWA Σ-7-series

Connection Guide

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

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Connection Guide

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Connection Guide

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NX-series NX1P2 CPU Unit Built-in I/O and Option Board

Users Manual

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NX-series NX1P2 CPU Unit Hardware

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NX1P Machine Automation Controller

Brochure

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NX1P-L

Brochure

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Datasheet

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NX1P2/NX1W-Series

Instruction Sheet

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Omron GX-JC0x-x EtherCAT Junction Box EtherCAT ESI file

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