



## NX502-1300

SyMac NX5 CPU with SQL Database Connectivity, 80 MB program and 260 MB data memory, built-in EtherCAT (16 servo axes, in total 256 EtherCAT nodes) and 2 Ethernet ports (OPC-UA and EtherNet/IP)

# Specifications

<b>Controller functionality</b>	DB connection, Motion control, OPC-UA, Sequence control
<b>Primary task cycle time</b>	0.250 ms
<b>Program memory</b>	80 MB
<b>Variables memory</b>	260 MB
<b>Max. number of synchronous axes</b>	16
<b>Max. number of axes (incl. virtual)</b>	32
<b>Communication port(s)</b>	EtherCAT Master, EtherNet/IP, Ethernet TCP/IP
<b>Communication option(s)</b>	EtherCAT Slave, Ethernet TCP/IP, IO-Link, Serial RS-232C, Serial RS-422, Serial RS-485
<b>Max. number of remote I/O nodes</b>	256
<b>I/O system</b>	NX I/O Bus
<b>Max. number of expansion units</b>	63
<b>Product Weight (unpacked)</b>	946.468 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

**HMC-SD493**

SD memory card, 4 GB



**NX-EIP201**

Expansion EtherNet/IP unit, connects to Left hand side of CPU



**W4S1-05D**

5-port enhanced Ethernet switch

# Downloads

CAD Library



**Automation Playback -  
Camera control sample  
program -  
INSTRUCTIONS**

**Users Manual**

EN PDF 5.99 MB



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


EN PDF 2.23 MB




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

**Connection Guide**


EN PDF 2.13 MB




**NJ/NX-Series CPU Unit Built-in EtherNet/IP Port Users Manual**  
EN PDF 17.1 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 OPC UA CPU Units Users Manual**  
EN PDF 4.64 MB




**NJ/NX-Series Troubleshooting Manual Users Manual**  
EN PDF 10.2 MB



**NJ/NX-series - [EtherCAT]- Denso Wave RC9 Robot Connection Guide**  
EN PDF 2.72 MB




**NJ/NX-series - [EtherCAT]- Festo CPX-AP-I Connection Guide**  
EN PDF 1.37 MB




**NJ/NX-series - [EtherCAT]- Festo MSE6-E2M Connection Guide**  
EN PDF 1.6 MB




**NJ/NX-series - [EtherCAT]- HMS Anybus X-gateway ABX Connection Guide**  
EN PDF 1.96 MB



**NJ/NX-series - [EtherCAT]- Kashiwama Dry Vacuum Pump (E-CAT02) Connection Guide**  
EN PDF 1.61 MB




**NJ/NX-series - [EtherCAT]- Kawasaki F-series Robot Controller F60 Connection Guide**  
EN PDF 2.32 MB



**NJ/NX-series - [EtherCAT]- Mitutoyo EJ-102N Linear Gage Counter Connection Guide**  
EN PDF 1.63 MB



**NJ/NX-series - [EtherCAT]- NittoSeiko SD600T driver controller Connection Guide**  
EN PDF 2.18 MB



**NJ/NX-series - [EtherCAT]- Oriental Motor Alpha STEP AZ series Connection Guide**  
EN PDF 3.47 MB




**NJ/NX-series - [EtherCAT]- Unipulse Weighing Indicator (FC400-ECT) Connection Guide**  
EN PDF 1.72 MB



**NJ/NX-series -[EtherNet TCP/IP]- HIOKI Battery HITESTER (BT356[A]) Connection Guide**  
EN PDF 2.27 MB



**NJ/NX-series - [EtherNet/IP]- HMS Anybus X-gateway Connection Guide**  
EN PDF 1.79 MB



**NJ/NX-series - [EtherNet/IP]- Magnescale Digital Gauge (MG80-EI) Connection Guide**  
EN PDF 1.84 MB



**NJ/NX-series - [EtherNet/IP]- Unipulse FC400-EIP Connection Guide**  
EN PDF 2.26 MB




**NJ/NX-series - [EtherNet/IP]- Unipulse FS2000-EIP Connection Guide**  
EN PDF 3.38 MB




**NX Series EtherNetIP Unit Users Manual**  
EN PDF 22.4 MB



**NX-series - CPU Unit FINS Function Users Manual**  
EN PDF 1.14 MB



**NX-series NX502 CPU Unit Hardware Users Manual**  
EN PDF 12.6 MB



**NX1-series + NX-ILM400 -[IO-Link]- SMC D-MP# Actuator Position Sensor Connection Guide**  
EN PDF 1.88 MB



**NX5 Machine  
Automation Controller**  
Datasheet

EN PDF 2.83 MB



**NX502/NX-EIP201  
Automation  
Controller/EtherNet/IP  
Unit**

Flyer

EN PDF 4.06 MB



**OEN Sample and Library  
files**

Connection Guide

EN ZIP 9.25 MB



**Playback data Collection  
System for Buffalo NAS**

Users Manual

EN PDF 2.22 MB



**Playback data Collection  
System for Synology  
NAS**

Users Manual

EN PDF 1.97 MB