

Boost the productivity of your team and your machines

NX1 Machine Automation Controller



**STARTER
KIT**

Faster machine speed keeping same level of product quality

The NX1 machine controller integrates accurate motion control, precise quality inspection and safety across all machines. Synchronized motion control with machine sequence improves productivity, enabling continuous operation and quick machine adaptability to the product requirements.

- Integrating control disciplines to optimize machine sequence
- Faster adaptability to a flexible production
- Improving Overall Equipment Effectiveness

Work as a team and boost productivity

Sysmac Studio Team Edition provides rich integration with the most popular distributed control system (GIT), providing you with full control of the project variations and enabling distributed coworker development.

- Distributed Multi-user Environment
- Graphic Version Control
- Open standards - GIT



Would you like to know more?

OMRON EUROPE

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industrial.omron.eu

NX1-OPC-SQL-Motion-Kit

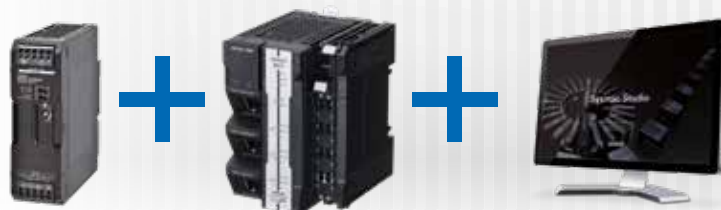
Controller features included

- 4 synchronized motion axes & 4 PTP
- 2 built-in Ethernet ports for Big Data handling
- 1 built-in EtherCAT port for real-time machine control
- Large memory for data handling. 32 MB for variables
- 5 MB of Program variables
- Built-in OPC-UA server
- Database direct connection, embedded SQL client

... to enable Version Control system and team engineering

- Sysmac Studio Team Development

Starter kit options



OPC UA SQL Client



STARTER KIT ITEM NAME	CONTENT	DESCRIPTION
NX1-OPC-SQL-Kit	NX102-9020	NX1 Modular Controller build-in EtherCAT up to 64 nodes and 4 PTP axes, OPC-UA Server, EtherNet/IP and Database Connectivity
NX1-OPC-SQL-Motion-Kit	NX102-1120	NX1 Modular Controller build-in EtherCAT up to 64 nodes, 4 Motion axes and 4 Position axes, OPC-UA server, EtherNet/IP and Database Connectivity
NX1-OPC-SQL-Oversamp-Kit	NX102-9020	NX1 Modular Controller build-in EtherCAT up to 64 nodes and 4 PTP axes, OPC-UA Server, EtherNet/IP and Database Connectivity
	NX-HAD402	4 High Speed Analog Inputs, 5 µs/channel
	NX-ILM400	IO-Link master unit

Each starter kit also includes the following:

SYSMAC-LE201L	Sysmac Studio Lite Single user license
SYSMAC-SE200D	Sysmac Studio DVD
SYSMAC-TA401L	Sysmac Studio Team Development Option
S8VK-S06024	Power Supply 24 V, 60 W, 2.5 A, Push-in Plus model
NX-ID3417	4 inputs, 3-wire connection, Synchronous/Free Run, PNP
NX-OD3256	4 outputs 0.5 A, 3-wire connection, Synchronous/Free Run, PNP
NX-PF0630	I/O power feed unit up to 4 A
XS6W-6LSZH8SS200CM-B	Ethernet Cat.6 patch cable, (Blue), 2 m
XS6W-6LSZH8SS200CM-Y	Ethernet Cat.6 patch cable, (Yellow), 2 m

A complete kit to try out our latest Sysmac controller.

For more info please visit: industrial.omron.eu/nx1

www.ia.omron.com/sysmac_library

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