OMRON

Production Data Visibility

NX1 Automation & Information Controller

STARTER KIT

OPC UA **SQL Client**

Controller with direct access to database

NX1 Machine Controller with Database Connection provides synchronized control of the complete production line and enables real-time production data integration with IT systems.
- Supported servers: Microsoft SQL, Oracle, IBM DB2, MySQL, Firebird, PostgreSQL
- The SQL spooling functionality ensures a robust and secure data solution in case of a communication failure

OPC UA server

Omron implemented the OPC UA server as a standard feature in the NX1 machine controller. It provides open and direct communication between machine and IT systems.
- Authentication and encryption is supported
- OPC UA eliminates the need for hardware and software middleware
- Controller IEC variables can easily be published on the OPC UA server and directly accessed by OPC UA clients
- Simplified architecture and set-up, vendor independent

NX1-OPC-SQL-Kit

Controller features included
- Modular Controller design with embedded Power Supply
- Batteryless controller
- Build-in OPC-UA server
- Database direct connection, embedded SQL client
- 32 MB of memory for Variables
- 5 MB of Program memory
- 2 independent built-in Ethernet ports
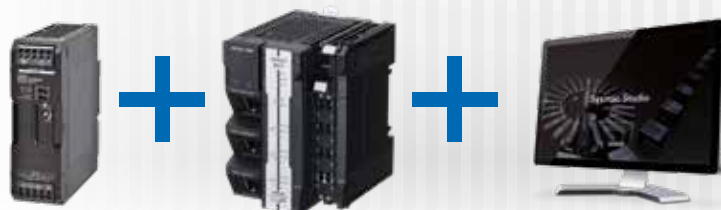- 1 EtherCAT master port for real-time machine control
- 4 PTP axes

Would you like to know more?

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Starter kit options

OPC UA   SQL Client

+ Sysmac Studio
Team Development Option

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

kit to try out our latest Sysmac controller.
For more info please visit: industrial.omron.eu/nx1
www.ia.omron.com/sysmac_library

Would you like to know more?

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