

## INDUSTRIAL COMPONENT DATA

# NX102-1100 NX010139M NX1021100 OMRON NX102 Machine controller, modular, 5 MB of program and 33.5 MB of data ..

Brand: OMRON | Manufacturer Part Number: NX102-1100



|                 |                |
|-----------------|----------------|
| Manufacturer    | OMRON          |
| MPN / Reference | NX102-1100     |
| Catalog number  | NX1021100      |
| Category        | PLC CPU-module |
| Minimum order   | 1 Pcs          |
| Document ID     | EO-3CBE76DEB8  |
| Generated       | 2026-08-02     |

## Product Overview

NX102 Machine controller, modular, 5 MB of program and 33.5 MB of data memory, EtherCAT built-in (4 servoejes, 4 axes PTP, 64 nodes EtherCAT in total), 2 Ethernet ports (OPC-UA, EtherNet/IP)

Sysmac NX1 Modular CPU, 5MB program and 33.5MB data memory , built-in EtherCAT (4 servo axes, 4 PTP axes, total 64 EtherCAT nodes), 2 Ethernet ports (

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                                         |
|--------------|---------------------------------------------------------|
| Catalog path | OMRON > Integrated Automation > Machine Controllers NX1 |
|--------------|---------------------------------------------------------|

## Additional Product Information

Controller functionalityMotion control, OPC-UA, Position control, Sequence controlMax. number of synchronous axes4Max. number of PTP axes4Max. number of axes (incl. virtual)15Primary task cycle time1 msProgram memory5 MBVariables memory33.5 MBCommunication port(s)EtherCAT Master, EtherNet/IP, Ethernet TCP/IPCommunication option(s)Serial RS-232C, Serial RS-422, Serial RS-485Max. number of remote I/O nodes64I/O systemNX I/O BusMax. number of expansion units32Product Height (unpacked)100 mmProduct Width (unpacked)66 mmProduct Depth (unpacked)100 mmProduct Weight (unpacked)470 g  
ETIM for 682581 PLC's (EC000236)

Feature Name

Feature Value

Model (EF000010)

Modular

SIL according to IEC 61508 (EF009889)

None

Voltage type (supply voltage) (EF002991)

AC/DC

Explosion safety category for gas (EF003997)

None

Explosion safety category for dust (EF003998)

None

Type of memory (EF002996)

FLASH

Radio standard UMTS (EF008525)

No

Supporting protocol for EtherCAT (EF017564)

Yes

Appendant operation agent (Ex ib) (EF004142)

No

Supporting protocol for other bus systems (EF003062)

Yes

Supporting protocol for SERCOS (EF006657)

No

IO link master (EF007298)

No

Rack-assembly possible (EF007018)

No

Supporting protocol for KNX (EF003055)

No

Supporting protocol for LON (EF003017)

No

Supporting protocol for SUCONET (EF003060)

No

Supporting protocol for IEC 60870 (EF016069)

No

Supporting protocol for EtherNet/IP (EF007521)

Yes

Supporting protocol for DNP3 (EF016068)

No

Radio standard GSM (EF008524)

No

Suppor...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NX102-1100 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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