For Europe Only

PRODUCT NEWS

Product Discontinuation Notices

OMRON

Issue Date
May 30th, 2024

Product Discontinuation

Programmable controller

Several CJ series CPU and units.

Recommended Replacement

Programmable controller

Detailed table in the document

[Final order entry date]

Item number	Final order entry date	Suggested replacement	Functional replacement in NX series Platform
CJ1W-V600C11**	**Sep-24**	CJ1W-V680C11	NX-V680C1
CJ1W-V600C12**	**Sep-24**	CJ1W-V680C12	NX-V680C2
CJ1W-EIP21*	**Mar-25**	CJ1W-EIP21S	NX102-9000
CJ2H-CPU64-EIP*	**Mar-25**	CJ2H-CPU64 + CJ1W-EIP21S	NX102-9000
CJ2H-CPU65-EIP*	**Mar-25**	CJ2H-CPU65 + CJ1W-EIP21S	NX102-9000
CJ2H-CPU66-EIP*	**Mar-25**	CJ2H-CPU66 + CJ1W-EIP21S	NX102-9000
CJ2H-CPU67-EIP*	**Mar-25**	CJ2H-CPU67 + CJ1W-EIP21S	NX502-1300
CJ2H-CPU68-EIP*	**Mar-25**	CJ2H-CPU68 + CJ1W-EIP21S	NX502-1300
CJ1W-NC[][]3*	**Mar-25**	CJ1W-NC[][]4	NX102-9000
CJ1G-CPU42P	**Mar-25**	No alternative replacement	No alternative replacement
CJ1G-CPU43P	**Mar-25**	No alternative replacement	No alternative replacement
CJ1G-CPU44P	**Mar-25**	No alternative replacement	No alternative replacement
CJ1G-CPU45P	**Mar-25**	No alternative replacement	No alternative replacement

** Official discontinuation notice released October 1, 2021.

[Date of The Last Shipping]

Depend product by product, no more than one year after final order date.

[Scheduled date of maintenance close]

7 years after final order date

CJ2H-CPU6[]-EIP

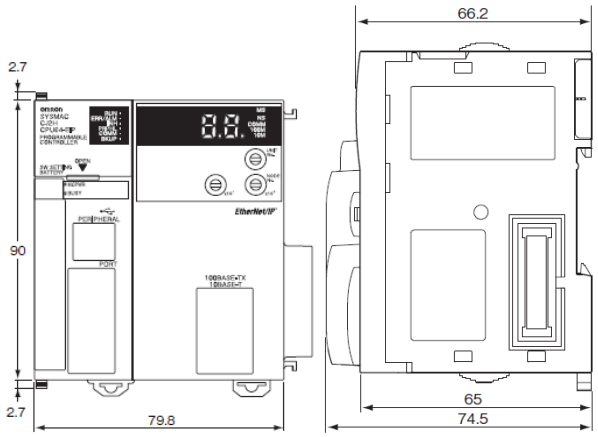
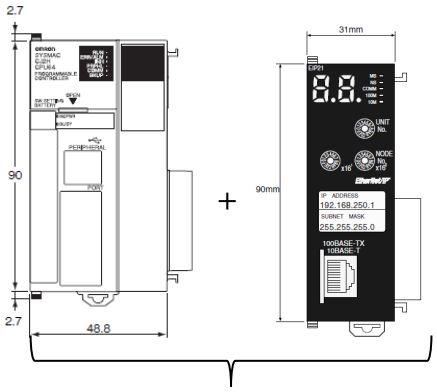
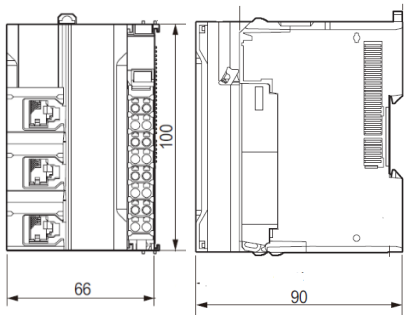
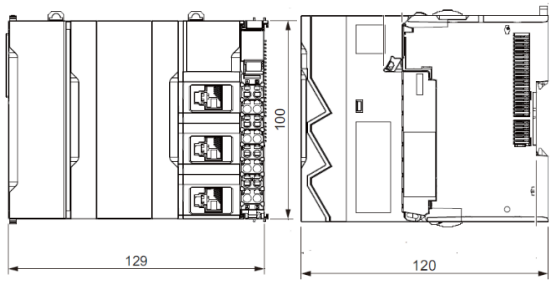
Product discontinuation	Recommended replacement 1 Minor changes for business continuity	Recommended replacement 2 future proof solution – change in programming software
CJ2H-CPU64-EIP	CJ2H-CPU64 + CJ1W-EIP21S	NX102-9000
CJ2H-CPU65-EIP	CJ2H-CPU65 + CJ1W-EIP21S	NX102-9000
CJ2H-CPU66-EIP	CJ2H-CPU66 + CJ1W-EIP21S	NX102-9000
CJ2H-CPU67-EIP	CJ2H-CPU67 + CJ1W-EIP21S	NX502-1300
CJ2H-CPU68-EIP	CJ2H-CPU68 + CJ1W-EIP21S	NX502-1300

Note: Please follow the replacement guide for step by step replacement available in CJ series product page on Omron Web [P152-E1-01]

[Difference from discontinued products]

Recommended replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charac-teristics	Operation ratings	Operation methods
CJ2H-CPU6[]+CJ1W-EIP21S	*	**	*	**	*	*	-
NX102-9000/NX502-1300	-	-	-	-	-	-	-

[Dimensions]

Product discontinuation CJ2H-CPU6[]-EIP	Recommended replacement CJ2H-CPU6[]+CJ1W-EIP21S
	 Total 79.8mm
	Recommended replacement NX102-9000/NX502-1300
	NX102-9000  NX502-1300 

[Characteristics]

It is shown in list that are compared replaced CJ series with discontinuation target in this document.
When you replace with NX series, please refer to the relevant manual.

Item	Product discontinuation CJ2H-CPU6[]-EIP	Recommended replacement CJ2H-CPU6[] + CJ1W-EIP21S
Weight	280 g max.	281 g max.
Current consumption	0.82 A at 5 VDC	1.07 A at 5 VDC
Security function	Not available	Available
Socket services	Not available	Available
Online connection from CX-One via EtherNet/IP port with secure communications	Not available	Available

CJ1W-EIP21

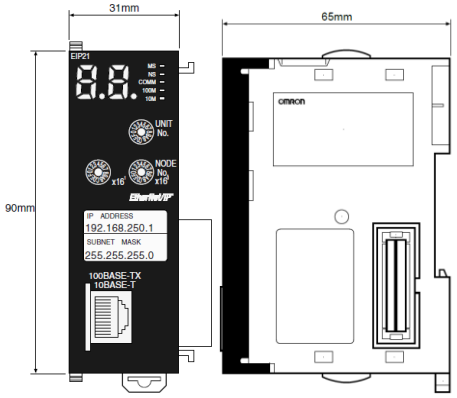
Product discontinuation	Recommended replacement 1 Minor changes for business continuity	Recommended replacement 2 future proof solution – change in programming software
CJ1W-EIP21	CJ1W-EIP21S	NX102-9000

Note: Please follow the replacement guide for step by step replacement available in CJ series product page on Omron Web [P152-E1-01]

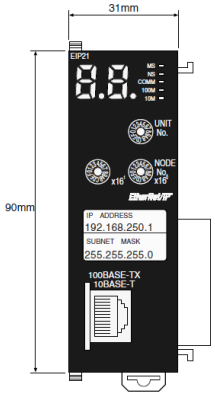
Recommended replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charac-teristics	Operation ratings	Operation methods
CJ1W-EIP21S	**	**	**	**	*	*	*
NX102-9000	-	-	-	-	-	-	-

[Dimensions]

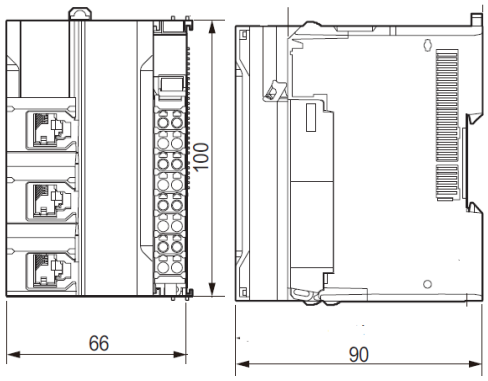
Product discontinuation
CJ1W-EIP21



Recommended replacement
CJ1W-EIP21S



Recommended replacement
NX102-9000



[Characteristics]

It is shown in list that are compared replaced CJ series with discontinuation target in this document.
When you replace with NX series, please refer to the relevant manual.

Item	Product discontinuation CJ1W-EIP21	Recommended replacement CJ1W-EIP21S
Weight	94 g max.	91 g max.
Current consumption	0.41 A at 5 VDC	0.65 A at 5 VDC
Applicable Controllers	CJ Series/CP1H Series/NJ Series	CJ2M/CJ2H
Security function	Not available	Available
Socket services	Not available	Available
Online connection from CX-One via EtherNet/IP port with secure communications	Not available	Available

CJ1W-NC[][]3

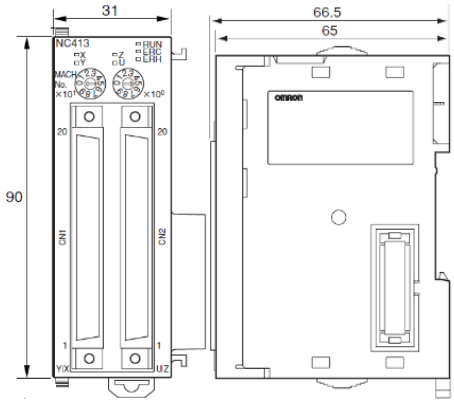
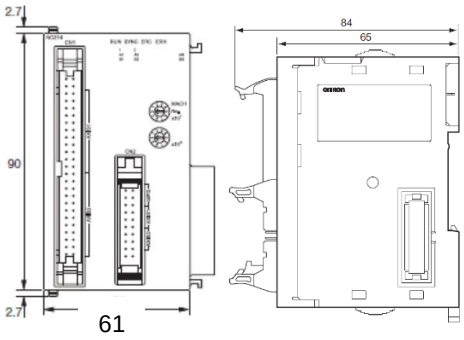
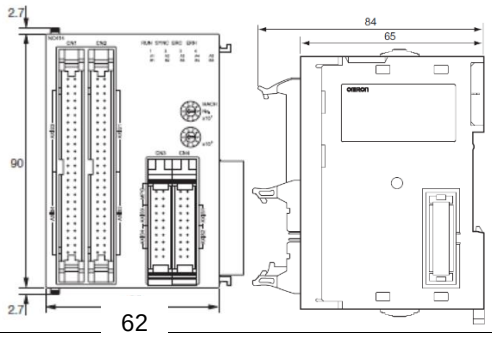
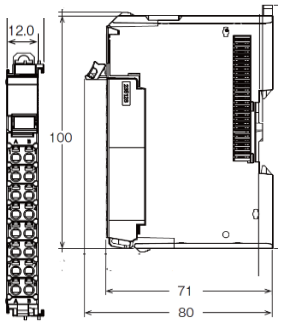
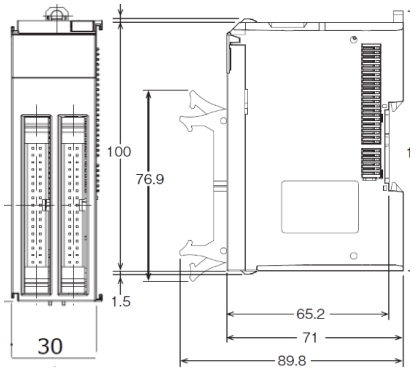
Product discontinuation	Recommended replacement1	Recommended replacement2
CJ1W-NC113	CJ1W-NC214	NX-PG0112
CJ1W-NC133	CJ1W-NC234	NX-PG0232-5
CJ1W-NC213	CJ1W-NC214	NX-PG0112 x 2
CJ1W-NC233	CJ1W-NC214	NX-PG0232-5
CJ1W-NC413	CJ1W-NC414	NX-PG0112 x 4
CJ1W-NC433	CJ1W-NC434	NX-PG0232-5

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charac-teristics	Operation ratings	Operation methods
CJ1W-NC[][]4	**	-	-	-	-	-	-
NX-PG[][][][]	-	-	-	-	-	-	-

** : Compatible
* : The change is a little/Almost compatible
-- : Not compatible
- : No corresponding specification

[Dimensions]

Product discontinuation CJ1W-NC[][]3	Recommended replacement CJ1W-NC[][]4
	CJ1W-NC2[]4  CJ1W-NC4[]4 
	Recommended replacement NX-PG[][][][]
	NX-PG0112  NX-PG0232-5 

[Characteristics]

It is shown in list that are compared replaced CJ series with discontinuation target in this document.
When you replace with NX series, please refer to the relevant manual.

Item		Product discontinuation CJ1W-NC[][]3	Recommended replacement CJ1W-NC[][]4
Number of Control axis		1,2 or 4-axis	2 or 4-axis
Occupied machine number		1 or 2-axis PCU: Occupies machine No. 1 4-axis PCU: Occupies machine No. 2	2 or 4-axis PCU: Occupies machine No. 2
Command position range		-1,073,741,823 to 1,073,741,823 pulses	-2,147,483,648 to 2,147,483,647 pulses
Speed command		Set it to 1 to 500,000 pps in units of 1 pps.	With position control: 1 to 2,147,483,647 command unit/s With speed control: -2,147,483,648 to 2,147,483,647 command unit/s
Control function	**Manual operation**	JOG, Origin Search, Origin Return	JOG, Inching, Origin Search, Origin Return and MPG
	Direct operation	Absolute movement, relative movement, speed control and interrupt feeding	Absolute movement, relative movement and speed control (You can specify an interrupt constant-pitch feed for each control.)
	Memory operation	Positioning function: linear interpolation, interrupt feeding End pattern: Individual, automatic or continuous pattern	Positioning function: Independent PTP, linear interpolation, circular interpolation, speed control, interrupt feeding End pattern: Individual, automatic or continuous pattern
Override		Set it to 1% to 999% in units of 1%.	Set it to 0.01% to 500.00% in units of 0.01%.
Software limit range		-1,073,741,823 to 1,073,741,823 pulses	-2,147,483,647 to 2,147,483,646 pulses
Time between the issuance of a start command from the ladder program and a pulse output		Minimum of 2 ms or less	0.1 ms or less (During high-speed PTP start) 1 to 2 ms or less (During direct operation start)
External I/O connector		40 pins/2 axes (Servo Drive I/O and external control I/O) * Install 2 sets of the above for 4-axis PCU.	50 pins/2 axes (Servo Drive I/O) 20 pins/2 axes (external control I/O) * Install 2 sets of each of the above for 4-axis PCU.
Software on the computer side		CX-Position	CX-Programmer

[Reference manuals]

Refer to the following manuals for the operation procedure.

< CJ2H-CPU6[]-EIP, EtherNet/IP unit CJ1W-EIP21 >

In case of replacement for CJ series
CPU Unit User's Manual (Hardware) (Cat. No. W472)
CPU Unit User's Manual (Software) (Cat. No. W473)
EtherNet/IP and Ethernet Units -> Enhanced Security Units Replacement Guide (Cat. No. P152)
CS/CJ-series EtherNet/IP Units Operation Manual (Cat. No. W465)
CX-Programmer Ver9.[] Operation Manual (Cat. No. W446)

<Position Control Unit>

In case of replacement for CJ series
Position Control Units Operation Manual (Cat. No. W477)

< In case of replacement for NX series >

CPU Unit User's Manual (Hardware) (Cat. No. W593)
CPU Unit User's Manual (Software) (Cat. No. W501)
NJ/NX-series CPU Unit Built-in EtherNet/IP Port User's Manual (Cat. No. W506)
Sysmac Studio Version 1 Operation Manual (Cat. No. W504)
Machine Automation Controller Data Reference Manual (Cat. No. W525)
NX-Series - Position Interface Units NX-ECxxx, NX-ECSxx, NX-PGxxx - User's Manual (Cat No. W524)
NX-series - RFID Units - User's Manual (Cat. No. Z401)