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New & Original Industrial Automation Products

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OMRON PRODUCT NEWS

Product Discontinuation Notices

CJ2M / CJ2H / CJ1W-EIP Series

Recommended Replacement to CJ2M-CPU1 + CJ1W-EIP21S / NX102 / NX502

OMRON

DISCONTINUED MODELS

CJ2M / CJ2H / CJ1W-EIP



CJ2M CPU



CJ2H
EtherNet/IP CPU



CJ1W-EIP21/ETN21



RECOMMENDED REPLACEMENT

CJ Series / NX Series



CJ2M CPU +
CJ1W-EIP21S



NX102-9000



NX502-1300



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For Americas Only

**PRODUCT
NEWS**

**Correction
Reissue**

**Product Discontinuation
Notices**

OMRON

Issue Date
November 1, 2024

<< REQUEST >>

There was modification of Product News DRAFT 20231225_DOP_00001 of January 2024 issue.
 What we have changed is as follows;
 1. Modify about discontinuation date of CJ2M-CPU3[] and CJ2H-CPU6[]-EIP.
 2. Add [Withdrawal of product discontinuation for CJ1W-NC[][]3] and delete description about them.
 3. Add NJ series in applicable controllers of CJ1W-EIP21S.
 Please abolish old edition, replace the latest.

| Product Discontinuation | Recommended Replacement |
|--------------------------|---|
| Programmable controller | Programmable controller Machine automation controller |
| CJ2M-CPU3[] | CJ2M-CPU1[] + CJ1W-EIP21S or NX102-9000 |
| CJ2H-CPU6[]-EIP | CJ2H-CPU6[] + CJ1W-EIP21S or NX102-9000/NX502-1300 |
| CJ1W-EIP21/ETN21 | CJ1W-EIP21S or NX102-9000 |
| CJ1G-CPU4[]P-[][] | No recommended replacement |

[Reason of product discontinuation]

Security laws and regulations have become critical in each country and industry. Therefore, we launched CJ1W-EIP21S in July 2023 to enhance network security. As a result, the existing EtherNet/IP built-in CPU unit, EtherNet/IP unit, and EtherNet unit will be discontinued. In addition, it is difficult to continue production in some parts of CJ series due to the discontinuation of important parts. The CJ2 CPU units that is not included Ethernet/IP function are continuously supplied.

[Change production discontinuation date].

We will postpone the product discontinuation date of CJ2M-CPU3[] and CJ2H-CPU6[]-EIP by two years.
 <Reason>
 We have received requirement to extend the product discontinuation date from many customers, since it is difficult to replace the CPU unit.

[Withdrawal of product discontinuation for CJ1W-NC[][]3]

We will withdraw product discontinuation of CJ1W-NC[][]3.
 <Reason>
 It has become difficult to continue production due to the end of production of important parts. But there was request that many customers asked us to extend product discontinuation, because it was very difficult to replace system. As a result, we have decided that it is possible to continue supply through redesign. Therefore, we have decided to withdraw product discontinuation.

OMRON Corporation Industrial Automation Company

20240925_DOP_00002



[Final order entry date]

| | |
|-------------------------------------|------------------------|
| CJ2M-CPU3[] | The end of March, 2027 |
| CJ2H-CPU6[]-EIP | The end of March, 2027 |
| CJ1W-EIP21/ETN21, CJ1G-CPU4[]P-[][] | The end of March, 2025 |

[Date of The Last Shipping]

| | |
|-------------------------------------|------------------------|
| CJ2M-CPU3[] | The end of March, 2028 |
| CJ2H-CPU6[]-EIP | The end of March, 2028 |
| CJ1W-EIP21/ETN21, CJ1G-CPU4[]P-[][] | The end of March, 2026 |

[Scheduled date of maintenance close]

| | |
|-------------------------------------|------------------------|
| CJ2M-CPU3[] | The end of March, 2034 |
| CJ2H-CPU6[]-EIP | The end of March, 2034 |
| CJ1W-EIP21/ETN21, CJ1G-CPU4[]P-[][] | The end of March, 2032 |

[Caution on recommended replacement]

There are two recommended alternatives: CJ series and NX series.
 When you replace with CJ series, please check the replacement guide or relative manuals before designing the system.
 When you replace with NX series, please refer to relative manuals of the NX series before designing the system.

[Difference from discontinued product]

CJ2M-CPU3[]

| Recommended replacement Model | Body Color | Dimensions | Wire connection | Mounting Dimensions | Characteristics | Operation ratings | Operation methods |
|-------------------------------|------------|------------|-----------------|---------------------|-----------------|-------------------|-------------------|
| CJ2M-CPU1[]+CJ1W-EIP21S | * | ** | * | ** | * | * | - |
| NX102-9000 | - | - | - | - | - | - | - |

CJ2H-CPU6[]-EIP

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

CJ1W-EIP21/ETN21

| Recommended replacement Model | Body Color | Dimensions | Wire connection | Mounting Dimensions | Characteristics | Operation ratings | Operation methods |
|-------------------------------|------------|------------|-----------------|---------------------|-----------------|-------------------|-------------------|
| CJ1W-EIP21S | ** | ** | ** | ** | * | * | * |
| NX102-9000 | - | - | - | - | - | - | - |

[Product Discontinuation and recommended replacement]

CJ2M-CPU3[]/CJ2H-CPU6[]-EIP

| Product discontinuation | Recommended replacement1 | Recommended replacement2 |
|-------------------------|--------------------------|--------------------------|
| CJ2M-CPU31 | CJ2M-CPU11 + CJ1W-EIP21S | NX102-9000 |
| CJ2M-CPU32 | CJ2M-CPU12 + CJ1W-EIP21S | NX102-9000 |
| CJ2M-CPU33 | CJ2M-CPU13 + CJ1W-EIP21S | NX102-9000 |
| CJ2M-CPU34 | CJ2M-CPU14 + CJ1W-EIP21S | NX102-9000 |
| CJ2M-CPU35 | CJ2M-CPU15 + CJ1W-EIP21S | NX102-9000 |
| 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 |



| Product discontinuation | Recommended replacement1 | Recommended replacement2 |
|-------------------------|--------------------------|--------------------------|
| CJ2H-CPU67-EIP | CJ2H-CPU67 + CJ1W-EIP21S | NX502-1300 |
| CJ2H-CPU68-EIP | CJ2H-CPU68 + CJ1W-EIP21S | NX502-1300 |

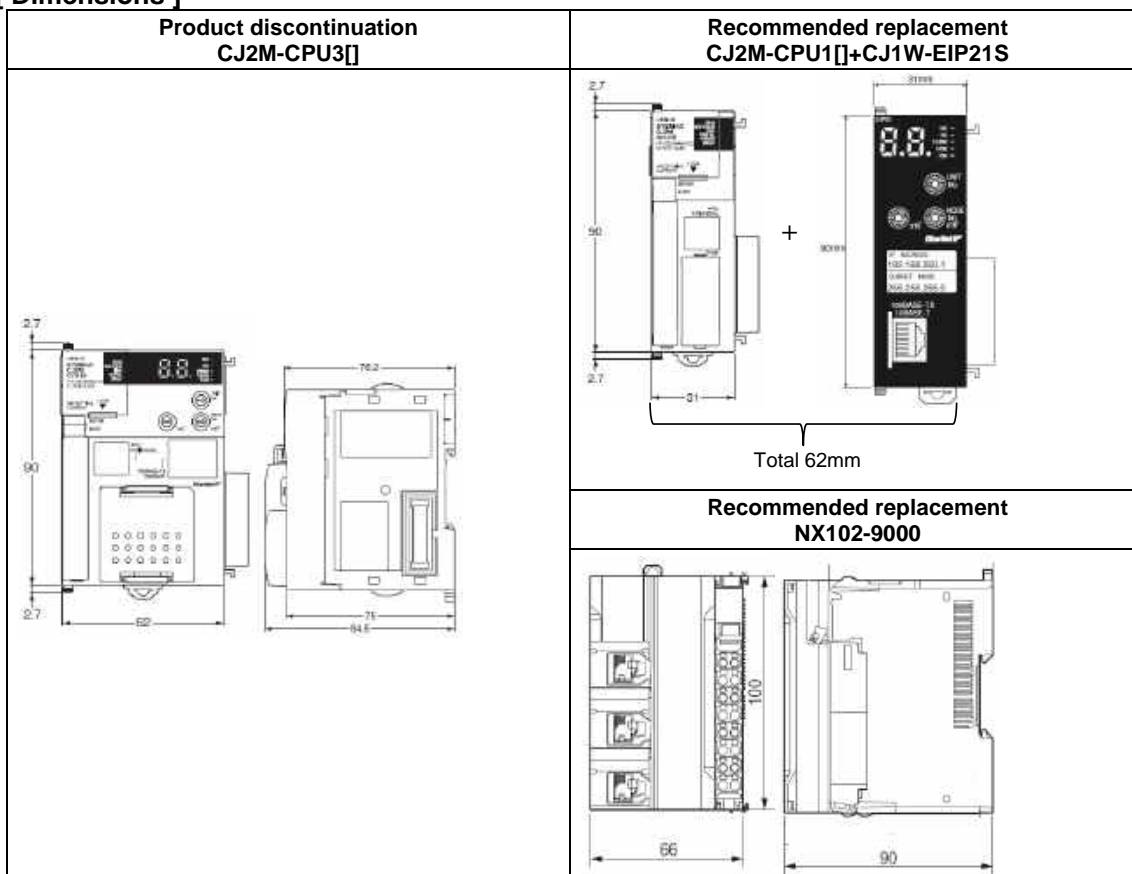
CJ1W-EIP21/ETN21

| Product discontinuation | Recommended replacement1 | Recommended replacement2 |
|-------------------------|--------------------------|--------------------------|
| CJ1W-EIP21 | CJ1W-EIP21S | NX102-9000 |
| CJ1W-ETN21 | CJ1W-EIP21S | NX102-9000 |

CJ1G-CPU4[P]

| Product discontinuation | Recommended replacement |
|-------------------------|----------------------------|
| CJ1G-CPU42P | No recommended replacement |
| CJ1G-CPU43P | No recommended replacement |
| CJ1G-CPU44P | No recommended replacement |
| CJ1G-CPU45P | No recommended replacement |

[Dimensions]





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



| Product discontinuation CJ1W-EIP21/ETN21 | Recommended replacement CJ1W-EIP21S |
|---|---|
| | |
| | <p data-bbox="922 701 1230 750" style="text-align: center;">Recommended replacement NX102-9000</p> |

[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 CJ2M-CPU3[] | Recommended replacement CJ2M-CPU1[] + CJ1W-EIP21S |
|--|--|--|--|
| Weight | | 190 g max. | 221 g max. |
| Current consumption | | 0.7 A at 5 VDC | 1.15 A at 5 VDC |
| CIP communication service tag data link | Number of connections | 32 | 256 |
| | Allowed communications bandwidth per Unit | 3000 pps | 12000 pps |
| | Maximum link data size per node | 640 words | 184,832 words |
| 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 |



| 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 |

| 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 NJ series (After October 2024 production) |
| 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 |

| Item | Product discontinuation CJ1W-ETN21 | Recommended replacement CJ1W-EIP21S |
|---|---------------------------------------|---|
| Weight | 94 g max. | 91 g max. |
| Current consumption | 0.37 A at 5 VDC | 0.65 A at 5 VDC |
| Applicable Controllers | CJ Series/CP1H Series/NJ Series | CJ2M/CJ2H NJ series (After October 2024 production) |
| Security function | Not available | Available |
| Online connection from CX-One via EtherNet/IP port with secure communications | Not available | Available |
| Tag data link communications service | Not available | Available |
| CIP message communications service | Not available | Available |
| Mail send/receive | Available | Not available |
| Web functions | Available | Not available |
| Monitoring Unit Control Bits with CX-Programmer | Possible | Not possible |

**[Operation methods]**

Refer to the following manuals for the operation procedure.

<CPU unit, EtherNet/IP and Ethernet unit>

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)

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)

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)

Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.

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