

# Empower your machine with CP2E Compact Controller

A powerful and effective solution for your machine



CP2E is fully compatible with CP1E and gives more in the following elements

- Programming
- Communication
- Motion control
- HW robustness and performances

CP2E	CP1E
+ 100% backward compatibility	
+ FB programming	+ Not available
+ Additional FB memory	+ Not available
+ Large program memory 10kstep (CP2E-N)	+ 2 Kstep or 8 kstep based on model
+ Structured text programming in FB's	+ Not available
+ Index register IR e DR	+ Not available
+ Elaboration speed up to 5 times faster	
+ Up to 3 serial port in all CPU's *depending on model	+ 1 in CPE-N (1+ optional in CPU with 30 points or more)
+ Modbus RTU slave	+ Not available
+ Ethernet port support Subnet Mask independent by IP class (CIDR)	+ Not available
+ "interrupt feeding" IFEED function (CP2E-N)	+ Not available
+ Linear interpolation 2,3, or 4 outputs (CP2E-N)	+ Not available
+ Extended operative temperature range	+ Not available
+ Standard battery CR2032 (CP2E-S, CP2E-N)	+ Dedicated battery
+ Same layout for terminal block	No differences
+ OMRON relays	
- No analog trimmers	+ 1 or 2 analog trimmers

*Would you like to know more?*

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[industrial.omron.eu/CP2](http://industrial.omron.eu/CP2)

# Conversion Details

Using CP1E-E□□(S)DR-A  
 Replace with CP2E-E□□DR-A

Model being replaced: CP1E-E□□/E□□S	Model used for replacement: CP2E-E□□
CP1E-E10D□-□	See note (*)
CP1E-E14DR-A/E14SDR-A	CP2E-E14DR-A
CP1E-E20DR-A/E20SDR-A	CP2E-E20DR-A
CP1E-E30DR-A/E30SDR-A	CP2E-E30DR-A
CP1E-E40DR-A/E40SDR-A	CP2E-E40DR-A
CP1E-E60DR-A/E60SDR-A	CP2E-E60DR-A

\*: No 10-point CPU Unit is available for the CP2E. Replace with a 14-point CPU Unit.

Using CP1E-N□□SD□-□  
 Replace with CP2E-S□□D□-□

Model being replaced: CP1E-N□□S	Model used for replacement: CP2E-S□□
CP1E-N30SD□-□	CP2E-S30D□-□
CP1E-N40SD□-□	CP2E-S40D□-□
CP1E-N60SD□-□	CP2E-S60D□-□

Using CP1E-N□□S1D□-□  
 Replace with CP2E-S□□D□-□

Model being replaced: CP1E-N□□S1	Model used for replacement: CP2E-S□□
CP1E-N30S1D□-□	CP2E-S30D□-□
CP2E-N40S1D□-□	CP2E-S40D□-□
CP2E-N60S1D□-□	CP2E-S60D□-□

Using CP1E-N□□D□-□

Model being replaced: CP1E-N□□	Model used for replacement: CP2E-S□□
CP1E-N14D□-□	See note (*)
CP1E-N20D□-□	See note (*)
CP1E-N30D□-□	CP2E-S30D□-□
CP1E-N40D□-□	CP2E-S40D□-□
CP1E-N60D□-□	CP2E-S60D□-□

\*: For CP1E-N14/20D: Contact your OMRON partner or sales representatives to get support for upgrading to CP2E-N Controller.

## Seamlessly power up your automation without effort

### How to upgrade from CP1E to CP2E

- Contact your OMRON partner or sales representatives to get support for upgrading to the equivalent CP2E Controller based on current CP1E CPU used.
- Ask for CP2E-N features and get the opportunity to discuss for a special promotion for you!
- Use the replacement guide for a step by step migration.
- Benefit of One click software conversion with CX-One.

### CP1E CPU's are available up to the end of March of 2022

Promotional period 1st of September 2021 – 1st of March 2022

[Replace Guide From CP1E to CP2E \(P150-E1-02\)](#)

Price details must be agreed with OMRON partners or sales representatives

*Would you like to know more?*

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[industrial.omron.eu](http://industrial.omron.eu)

Use QR-code to access CP2 Online configurator, select your controller and get related product info, accessories, specifications, manuals, ...

