

# CP1L

The compact machine controller



» Fast processing speed

» Advanced motion functionality

» Easy connection and communication



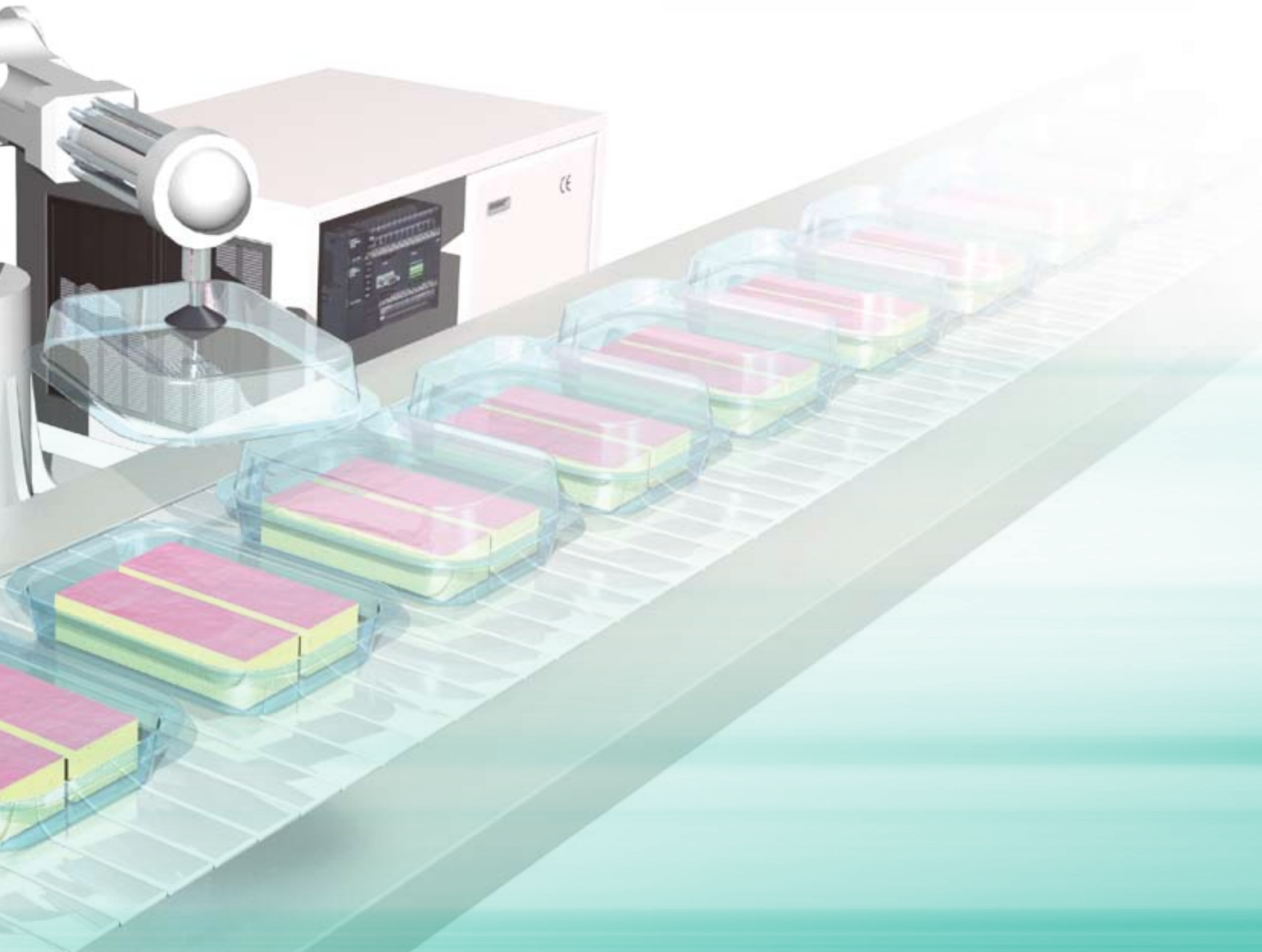
# ...take the lead today!

## All you need in one series

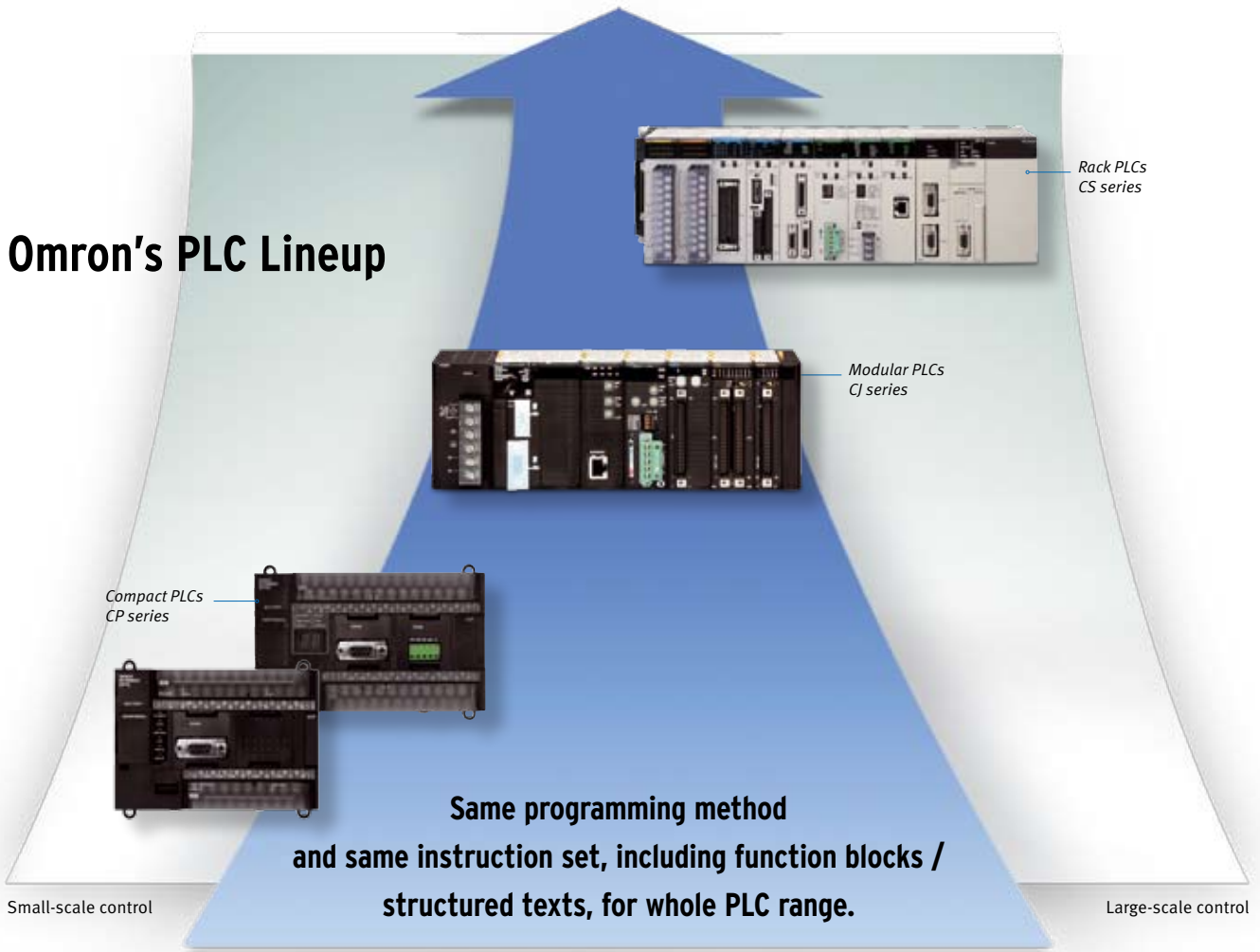
With the CP1L series you get all the functionality and flexibility you need in a controller plus the added advantage of one single platform, which means no worries about field-buses or integration of software. And the same 'Smart Platform' communication routing is provided over multiple network layers. The CP1L series... the compact range that simply meets your needs.

## Features at a glance

- 4 high-speed encoder inputs and 2 high-speed pulse outputs
- CPUs with AC or DC supply and 14, 20, 30 or 40 I/O built-in
- Instruction set compatible with CP1H-, CJ1-, and CS1 series PLC
- Optional RS232C and RS-422A/485 serial ports
- USB programming port
- Scalable with a wide range of I/O units (maximum up to 160 I/O points)
- Motion functionality
- One and the same software as other Omron controllers



# Omron's PLC Lineup



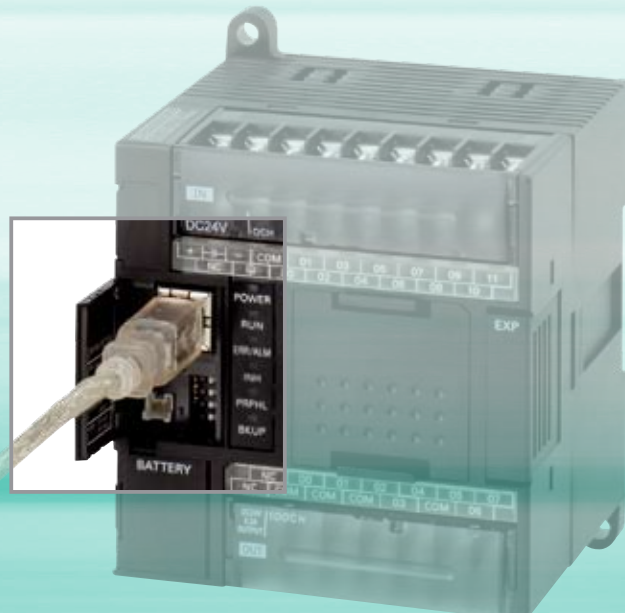
## Easy and familiar programming

Omron's CX-One software offers the same easy and familiar programming that saves you time and effort. Enabling you to build, configure and program your networks, PLCs, HMIs, motion-control systems, drives, temperature controllers and sensors.



## USB interface, no expensive cabling required

No need for expensive additional cables with the CP1L series either because the USB interface enables you to simply plug and play.



# Prepared for future growth



Expansion of needs



Expansion of needs



## CP1L-L

- CPU with 14 or 20 digital I/O built-in
- Expandable up to 60 I/O points (1 unit)
- USB port + 1 optional serial port
- 5 Ksteps user memory
- 0.6  $\mu$ s instruction speed
- 4 encoder inputs (100 kHz)
- 2 pulse outputs (100 kHz)



## CP1L-M

- CPU with 30 or 40 digital I/O built-in
- Expandable up to 160 I/O points (3 units)
- USB port + 2 optional serial ports
- 10 Ksteps user memory
- 0.6  $\mu$ s instruction speed
- 4 encoder inputs (100 kHz)
- 2 pulse outputs (100 kHz)



## CP1H

- CPU with 40 digital I/O and (optional) analogue I/O (4in/20out) built-in
- Expandable up to 320 I/O points (7 units)
- USB port + 2 optional serial ports
- 20 Ksteps user memory
- 0.1  $\mu$ s instruction speed
- 4 encoder inputs (2 x 1 MHz + 2 x 100 kHz)
- 4 pulse outputs (2 x 1 MHz + 2 x 100 kHz)

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