

**OMRON**

# CX-ONE V4

One software is all you need

**CX-*One***

- » Control, visualise, position, detect and regulate
- » **One Programming tool**
- » A common automation environment

**realizing**





# One software is all you need...

Omron is able to supply different scalable solutions for the variety of needs in the market today. Depending on the level of complexity of the application, we offer an increasing level of sophistication. Lean, Steam & XStream.

CX-One supports the entire range of scalable automation – it's the only software you need for your solution:

## Configuration

From drive configuration and network set-up to regulation and sensing. CX-One includes all the software you need whatever device you have.

## Programming

Whether you are programming a compact PLC or a top of the range CJ2, it's the same programming tool! Know one; know them all with our one software solution

## Visualise

Visualise and interact with your machine in a minute with a range of easy to use runtime solutions from panel HMI to IPC.



LEAN

STREAM

X-STREAM

...across and throughout the range!

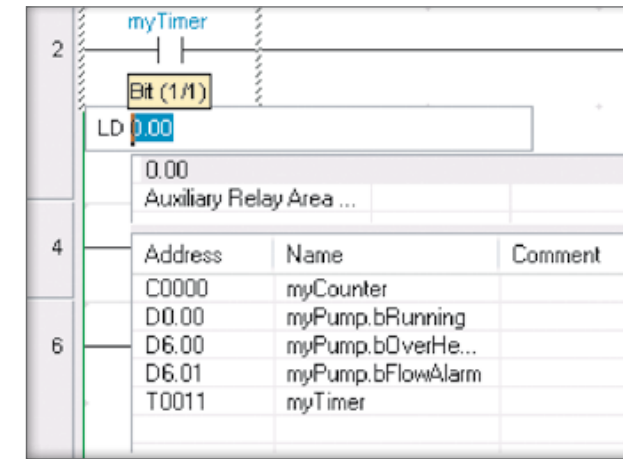


## Enhanced features that make your life even easier

We continually improve CX-One by adding new features that reduce your development time, reduce programming mistakes and make it quicker to find and solve problems. Our new features make it easier to reuse your code again and again. Its this simple strategy to accelerate, simplify and reuse that has directed the new features in CX-One v4.

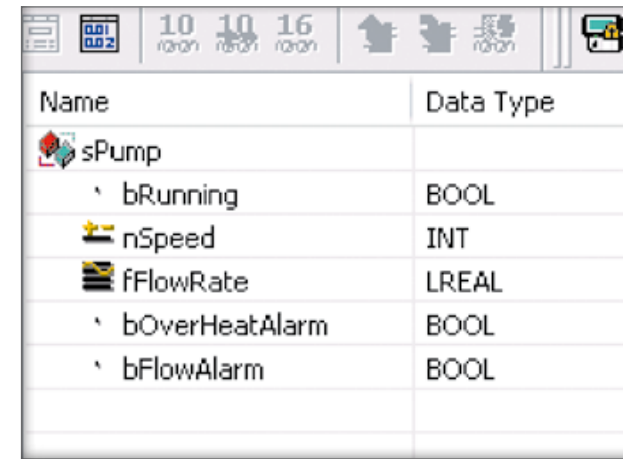
### New features

- Smart Input Ladder Programming
- Structures & Arrays
- TIMER & COUNTER Data Types
- Cross Reference Popup
- Simple EthernetIP Symbol Setting



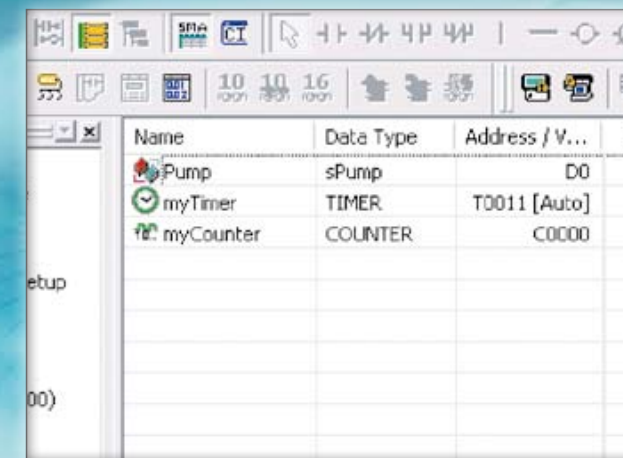
### Ladder smart input

Allows intuitive fast programming with fewer key presses (and mistakes), as you are guided through symbol selection, etc. Block copy and paste will automatically increment addresses and rung lines are automatically completed.



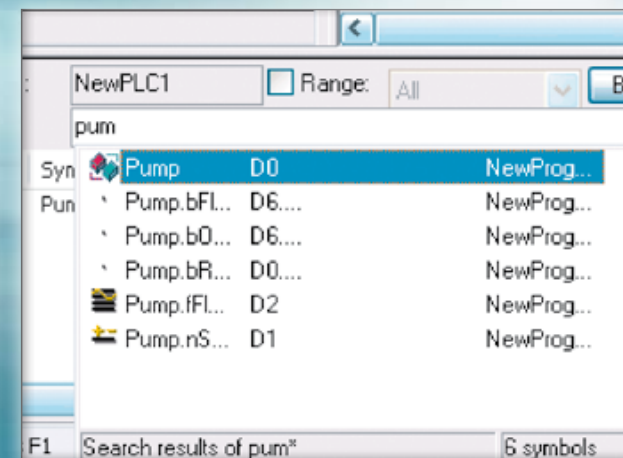
### Structures and arrays

Enables reuse without hours of readdressing and makes handling data blocks of various data types so easy. Arrays and nested structures enable very complex data to be modelled easily and passed throughout your program.



### Timer & counter

With CJ1 and CJ2 PLCs, these additional data types greatly simplify the use of timers in a ladder. Auto allocation enables you to define a timer symbol and never worry about where it is stored! Simply refer to the symbol name everywhere.



### Save even more time

The address reference tool enables you to search with wildcards (\* or ?) to find the symbol you want to check. With CJ2 PLC, the EM Area can now be address as symbols (including force set/reset) thus avoiding limitation of small W area. An EthernetIP setup wizard that makes it quick and easy to set-up network symbols.

## All the familiar time-saving features

As a proven product, CX-One already has many features that enhance your development. These include, IEC61131 languages such as Sequential Function Charts (SFC) and Structured Text (ST), integrated simulation, system backup, compare & restore and online editing of programs.

### IEC 61131 - ST & SFC

CX-programmer includes support sequential function charts (SFC), which enables the flow of the program to be understood at a glance, helps to achieve a structured program and allows easy monitoring and debugging. Structured Text (ST) makes numerical processing or complex logical comparisons simple.

### Integrated simulation

Testing your project is now so easy with the integrated simulation feature of CX-One. With one click you can simulate your PLC & HMI to test the interaction of the system. Avoid the pain of downtime by finding problems early, even on your desk without the equipment.



### Online Editing

Being able to quickly modify your program without stopping the entire system greatly reduces downtime when problems are found. With CX-One even Function Blocks (FB) can be edited online without changing the PLC from run mode.

### Backup & Restore

Easily and quickly backup, compare or restore data for the PLC (including CPU unit programs, data memory, PLC setup and settings for CPU bus units and special I/O units in the PLC) with just one click.

## CX-One saves you money too!



### One update system

Register for free online and receive 12 months of free updates delivered over the web. One managed update system that informs you when updates are available.

### One installation - one licence

With the CX-One Package all of the applications can be purchased and installed together, and all of the applications can be registered together as a single package.

### The right package for you

Omron's one software concept is available in two packages: CX-One FULL is the perfect choice if you use products right across our scalable automation range, or CX-One LITE which is designed for lean automation solutions with support for our compact devices.

## Ordering Information

CX-One FULL	Media	Order code
Single user licence	Licence only	CXONE-AL01-EV_
Three user licence	Licence only	CXONE-AL03-EV_
Ten user licence	Licence only	CXONE-AL10-EV_
Thirty user licence	Licence only	CXONE-AL30-EV_
Fifty user licence	Licence only	CXONE-AL50-EV_
Site licence	Licence only	CXONE-AL0XX-EV_
Software on CDs	CD	CXONE-CD-EV_
Software on a DVD	DVD	CXONE-DVD-EV_

CX-One LITE	Media	Order code
Single user licence	Licence only	CXONE-LT01-EV_
Software on CDs	CD	CXONE-LTCD-EV_



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**Automation Systems**

- Programmable logic controllers (PLC) • Human machine interfaces (HMI) • Remote I/O
- Industrial PC's • Software

**Motion & Drives**

- Motion controllers • Servo systems • Inverters

**Control Components**

- Temperature controllers • Power supplies • Timers • Counters • Programmable relays
- Digital panel indicators • Electromechanical relays • Monitoring products • Solid-state relays
- Limit switches • Pushbutton switches • Low voltage switch gear

**Sensing & Safety**

- Photoelectric sensors • Inductive sensors • Capacitive & pressure sensors
- Cable connectors • Displacement & width-measuring sensors • Vision systems
- Safety networks • Safety sensors • Safety units/relay units • Safety door/guard lock switches