

CX-SUPERVISOR

Powerful machine visualisation



» Easy to use

» Feature rich & highly functional

» Supports open standards like OPC, ActiveX

Combining features beyond expectations

Remember the limitations you experienced with your HMI environment the last time you designed a project?

Not having the full visualisation capabilities you needed? Omron's latest CX-Supervisor software release now gives you those capabilities.

CX-Supervisor is a powerful and advanced software package for machine visualisation that offers a totally flexible, PC-based, HMI environment. Feature rich and with the functionality you would only expect with much more expensive packages, CX-Supervisor is not only suitable for designing simple applications involving small supervisory and control tasks, it also enables you to design even the most sophisticated applications.



Complete project overview on screen

1 Workspace window (fully dockable): gives complete overview of your project. Clicking on a page in the main view shows all object/animations on that page. Also gives views of alarms, recipes, logging and database connections.

2 Page editor: shows project pages and lets you create new pages. Simply adjust the zoom for intricate HMI.

3 Point editor: lists all project points, which can easily be imported from other CX applications. Enables easy/direct reuse of symbols used in CX-Programmer.

4 Alarm editor: lets you set and visualise process alarm conditions. Automatic alarm acknowledgement and audible warning are selectable.

5 Animation editor: serves the wide range of animations supported to visualise changing process parameters.

6 Recipe editor: recipes are often linked to batches of production. So, use of the editor means you can easily download a new recipe to start a new batch.

CX-Supervisor also has many smart features and supports OPC, ActiveX®, as well as scripting, alarms, animation, recipes, databases and image libraries. CX-Supervisor itself includes a huge selection (over 3000) of hi-resolution graphic objects that can be dragged and dropped to implement your project design.

WHAT'S NEW

Exciting new features that are included with the new CX-Supervisor release include:

- Docking windows
- Application analysis
- Language tool
- Colour-coded script editor
- Health Checker
- Device support for new Omron PLCs and devices
- Available in Machine Edition or PLUS
- USB Dongle protection (only)
- Yearly maintenance contract

Application analysis: by analyzing project data and the use of script commands, this smart feature looks at each area of the application with a view to improving the overall performance and reliability of the system. Together with the runtime health checker, it lets you tune your system for optimum performance and maximum reliability.



Scripting: several language types are supported, including VBScript® or Omron's own compiled language, enabling you to interact with graphical elements on a page, read/write data and send FINS commands to Omron devices.



```

Script Editor
File Operators Control groups Functions Special
ScriptName: Make the Dice
Type Event: On Condition
Expression: [setpoint_000] <= 100 && [setpoint_000] >= 100
Script Code:
[VB Script] [OmronScript] [Inplace]
ready = FALSE
MsgBox("Make the Dice")
msg.variable(1)
obj:=VPL000_000
for i=1 to 100
    Type: Scripting for execution
next
ApplicationName:= "VPL000"
msg.level = ValueToHex( selection )
DownloadDevice [msg.level]

Take quantities from storage
coffee_level = coffee_level + coffee_amount
water_level = water_level - water_amount
oil_level = oil_level + oil_amount
gas_level = gas_level + gas_amount
pneum_level = pneum_level + pneum_amount

CALL WriteToDisk( selection )
CALL WriteToDatabase
    
```



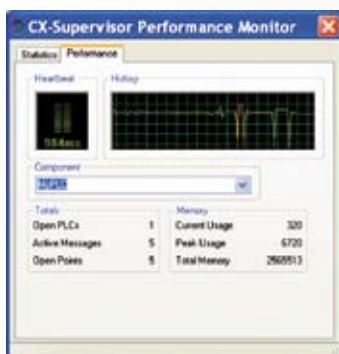
Visualise your machine at a glance

Designed specifically for PC-based machine visualisation, CX-Supervisor makes live easier for you. It can be used in combination with Omron's robust and high-quality Dyalox purpose-built IPC or on any PC system of your choice.

Naturally, CX-Supervisor also has the flexibility and compatibility to communicate with a whole range of cutting-edge plus older devices, including Omron's entire PLC range, motion devices, temperature controllers and sensors. Moreover, future compatibility with new devices is assured with Omron's 'One Connection' Smart Platform architecture.

CX-Supervisor also incorporates smart features that add value to your project. For instance, they can be tuned for maximum performance and reliability and all major parts of the system can be checked to determine if they are running okay and not overloading another part of the system.

Tuning: a 'Health Checker' can be viewed at runtime to monitor each part of the system to protect against overloading. In conjunction with the 'Application Analysis' tool, you can tune your application for optimum performance and maximum reliability.



Translation: you can select and change the language of an application even while it is running.

Application Name	Language	Default	Language
01	Default	English	English
02	Default	Spanish	Spanish
03	Default	French	French
04	Default	German	German
05	Default	Italian	Italian
06	Default	Dutch	Dutch
07	Default	Portuguese	Portuguese
08	Default	Russian	Russian
09	Default	Polish	Polish
10	Default	Czech	Czech
11	Default	Danish	Danish
12	Default	Norwegian	Norwegian
13	Default	Swedish	Swedish
14	Default	Slovakian	Slovakian
15	Default	Serbian	Serbian

Supported languages include, English, Czech, Danish, German, Spanish, French, Finnish, Italian, Dutch, Norwegian, Portuguese, Slovakian, Swedish, Russian, Polish and Serbian. Moreover, the runtime environment is fully extendable to support ANY language using text files.

Data storage: you can gather and store machine data for process analysis from any database. CX-Supervisor also has its own data logging function, including a data-log viewer.

Communication: all Omron PLCs, such as the CS/CJ ranges and even the C and CV series, as well as Omron's Trajexia motion devices, ZX and ZS sensors and CelciuX temperature controllers are all supported. And more drivers are continuously being added for registered users.

Omron believes in and fully supports open technologies, so you are guaranteed the freedom to choose devices that best suit your machine or system. As a member of OPC Foundation, Omron also supports open connectivity via open standards.

CX-Supervisor versions to power up your projects

CX-Supervisor Machine Edition is the perfect choice for almost all machine visualisation requirements. Supporting connection of up to 15 devices and up to 500 user-defined points, it is flexible and powerful enough for the control and supervision of a complete machine or an entire manufacturing process. And its easy-to-use Windows® Explorer-style development environment makes building the most sophisticated graphic interfaces simple.

CX-Supervisor PLUS is for those exceptional cases where an application demands a higher number of devices or points than can be handled by CX-Supervisor Machine Edition. It otherwise shares all of the same power and features.



QUICK REFERENCE COMPARISON

Feature	Machine Edition	PLUS
ActiveX®	Yes	Yes
VBScript®	Yes	Yes
Recipes	Yes	Yes
Alarm definitions	300	5000
Animation	Yes	Yes
Max Devices (PLCs etc)	15	256
OPC Connections	Yes	Yes
Max user defined Points	500	8000
Max point elements	512,000	8,192,000
Max Regular Interval Scripts	10	100
Max Num Pages	100	500
Supported database formats	MS Access	SQL, ODBC, MS Access, MS Excel, dBase, CSV

PRODUCT SELECTOR

Indicator	Description	
CX-Supervisor Development Package	CD	Development program and Runtime for testing. Does not include runtime dongle. Includes 12 months free maintenance and upgrades
CX-Supervisor Runtime Machine Edition	CD	Media including Machine Edition USB dongle
CX-Supervisor Runtime PLUS	CD	Media including PLUS USB dongle
CX-Supervisor Maintenance contract	CD	For version 2.0 users after free maintenance contract expires

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