



 → **Server OPC**

The Open Industry Standard applied



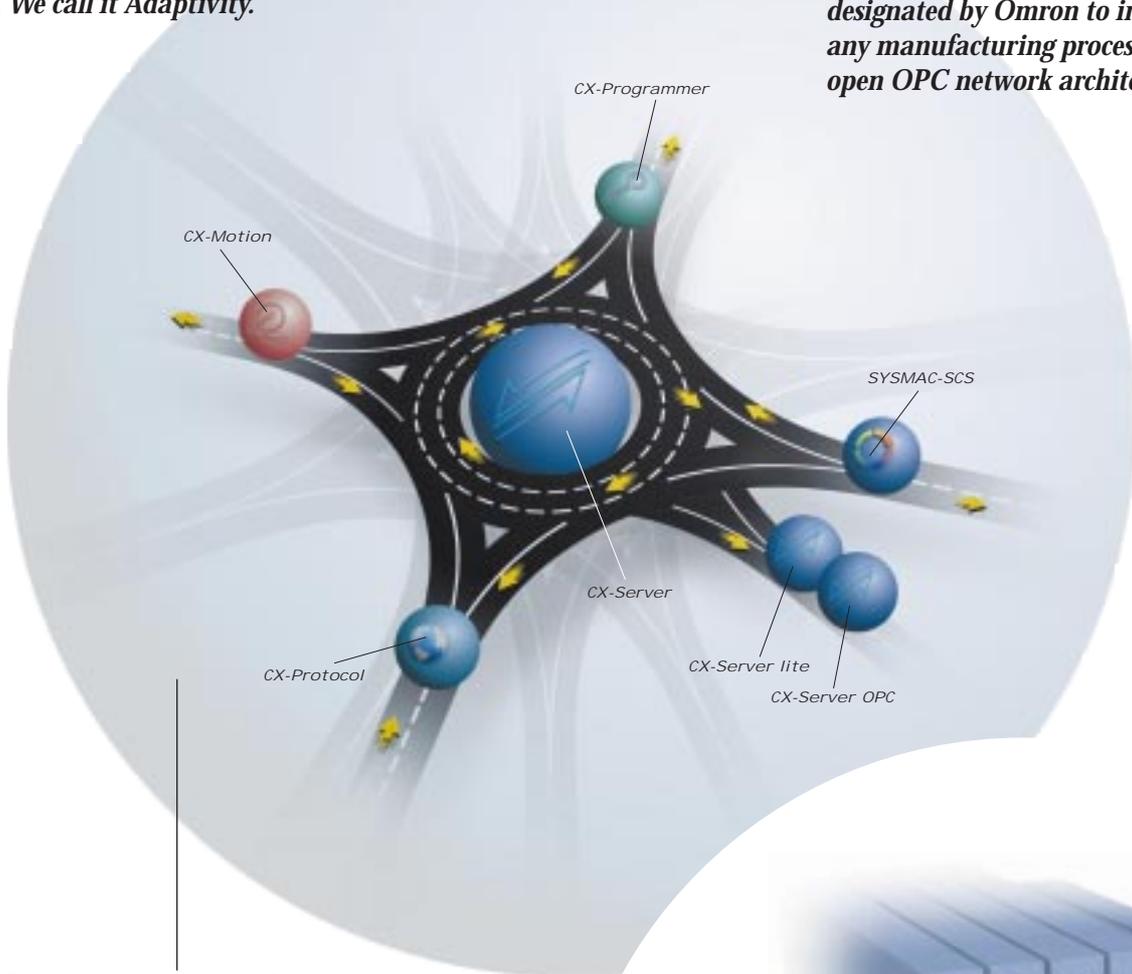
Adaptivity

On the road ahead, into the Third Millennium, manufacturing industries will be challenged by a growing global economy. In order to survive, grow and compete, manufacturers must be able to adapt their production processes to changing market conditions more rapidly than ever before.

Omron has developed a software suite that will enable manufacturers to meet this challenge. The Omron CX Automation Suite has been designed to dynamically evolve and accommodate any implementation, improvement, adaptation or extension to any kind of control or data acquisition within the manufacturing industry. The CX Automation Suite offers the one requirement that is needed to constantly optimise manufacturing processes. We call it Adaptivity.

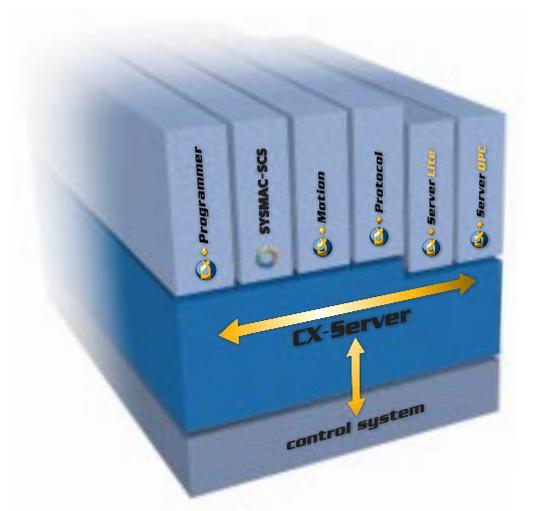
CX-Server OPC

CX-Server OPC has been designated by Omron to incorporate any manufacturing process into an open OPC network architecture.

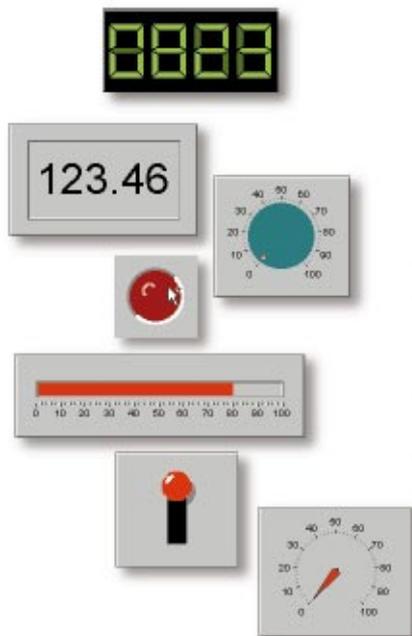
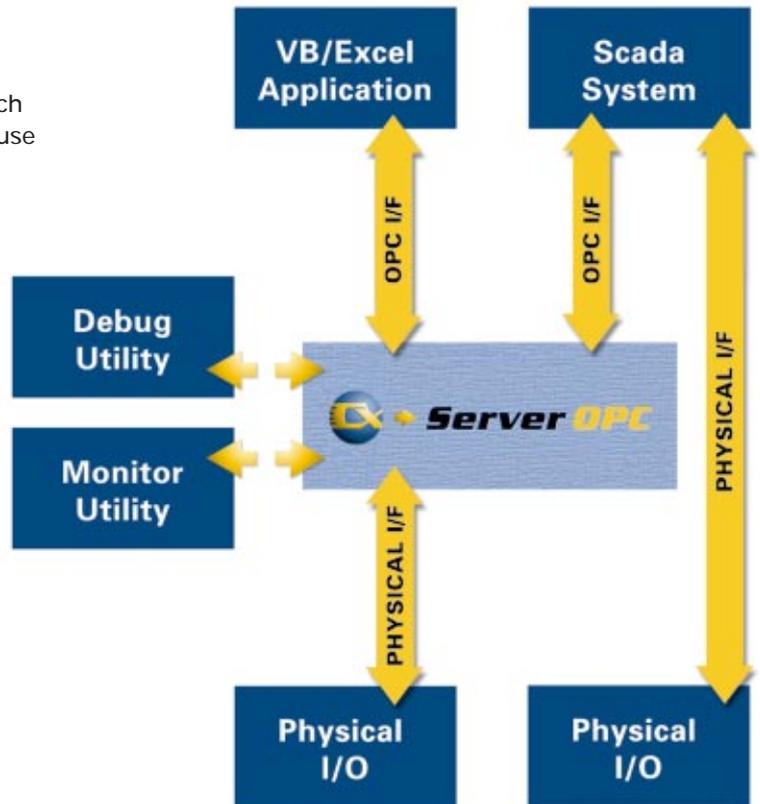


'Adaptivity':

The intrinsic ability of systems to adapt rapidly to change.



By maintaining the OPC interface throughout the network, raw data can be retrieved from physical devices or from other systems such as SCADA or DCS for immediate use by client applications.



CX-Server OPC supports the development of small OPC client applications in Microsoft Excel or by using Visual Basic. Graphical components have been included to facilitate and minimise the development effort.

Omron CX Server OPC crosses the last bridge

Many software developers made the attempt, but Omron succeeded in crossing the last bridge by launching CX-Server OPC. From now on there will be no new 'state-of-the-art' systems. With your Omron CX-Server OPC software you will be able to design systems which control devices, machines, factories, entire manufacturing companies and exchange data, real-time and online between devices and administrative systems and vice versa. Instead of being rigid, your Omron OPC system can be easily adapted to every change that may be required. It can accommodate any implementation, improvement, adaptation or extension of any kind of control or data acquisition.

Omron CX Server OPC. Preferably.

The choice is yours. But before you choose consider this. Omron CX-Server OPC is part of the concise Omron CX Automation Suite. A complete software suite for designing and building the most advanced System Control and Data Acquisition networks. Or the smallest and most simple applications. Of course you can be sure that the application and implementation of Omron components is impeccably documented. But why do seasoned developers as well as beginners prefer Omron CX Automation Suite software? Because it is slim and lean. It enables the expert to work fast and the beginner to learn fast. And it helps you to make the right choice.

More information

Please call your nearest Omron representative for more information. You will find the telephone numbers of Omron offices throughout Europe in this folder.



The Open Industry Standard applied

CX-Server OPC has been developed in conformance with the standards as laid down by the OPC Foundation. This means that the Omron CX Automation Suite software will enable and support you to design, build and maintain system control and data acquisition networks based on the 'de facto' industry standard OPC. A further advantage is the fact that you will be able to use Omron PLCs and other Omron hardware components in an open, generic network architecture. An architecture that has been designed by the OPC Foundation to fully function with components of other brands in the same network, as long as they too comply with the OPC Foundation standards. CX-Server OPC serves you with a true open network architecture.

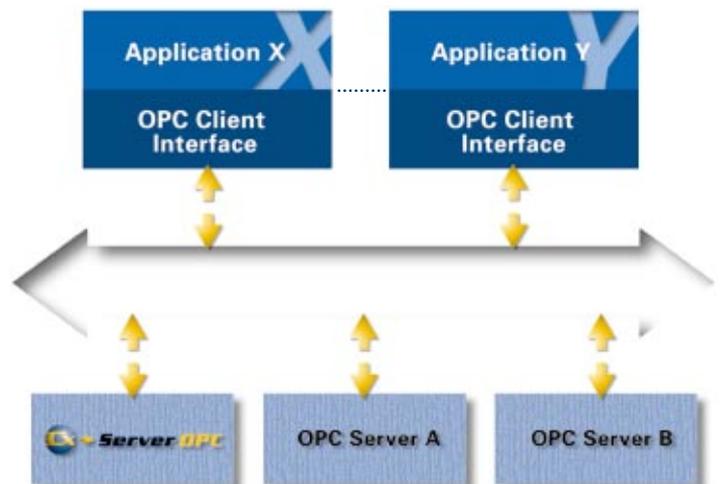
OPC transparency

The main benefit of the OPC protocol is that it organises the exchange of data between apparently very different applications and devices. In a very user-friendly manner, real-time data of devices can be shown in a Microsoft Excel spreadsheet, anywhere in the OPC network.



This reveals the origin of OPC. OPC is OLE, for Process Control. Microsoft introduced OLE, the Linking and Embedding of Objects, to enable data exchange between objects in the Personal Computer environment. This sophisticated protocol has also proven to be the ideal solution for the optimal exchange of data in the Process Control environment. With one inherent benefit as a most welcome extra: by introducing OPC in the process control environment, process control systems and business information systems become fully integrated. The barrier between Process Control and Business Administration systems has now been levelled forever.

By applying the OPC standards CX-Server OPC fully integrates into any OPC network architecture. It adds and exchanges PLC-data from devices into this network and operates side-by-side with other OPC Servers.



Minimum PC requirements: MS Windows 95/98/NT4.0, Pentium100, 32Mb RAM, 30Mb hard disk space, 640x480 VGA Display.

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