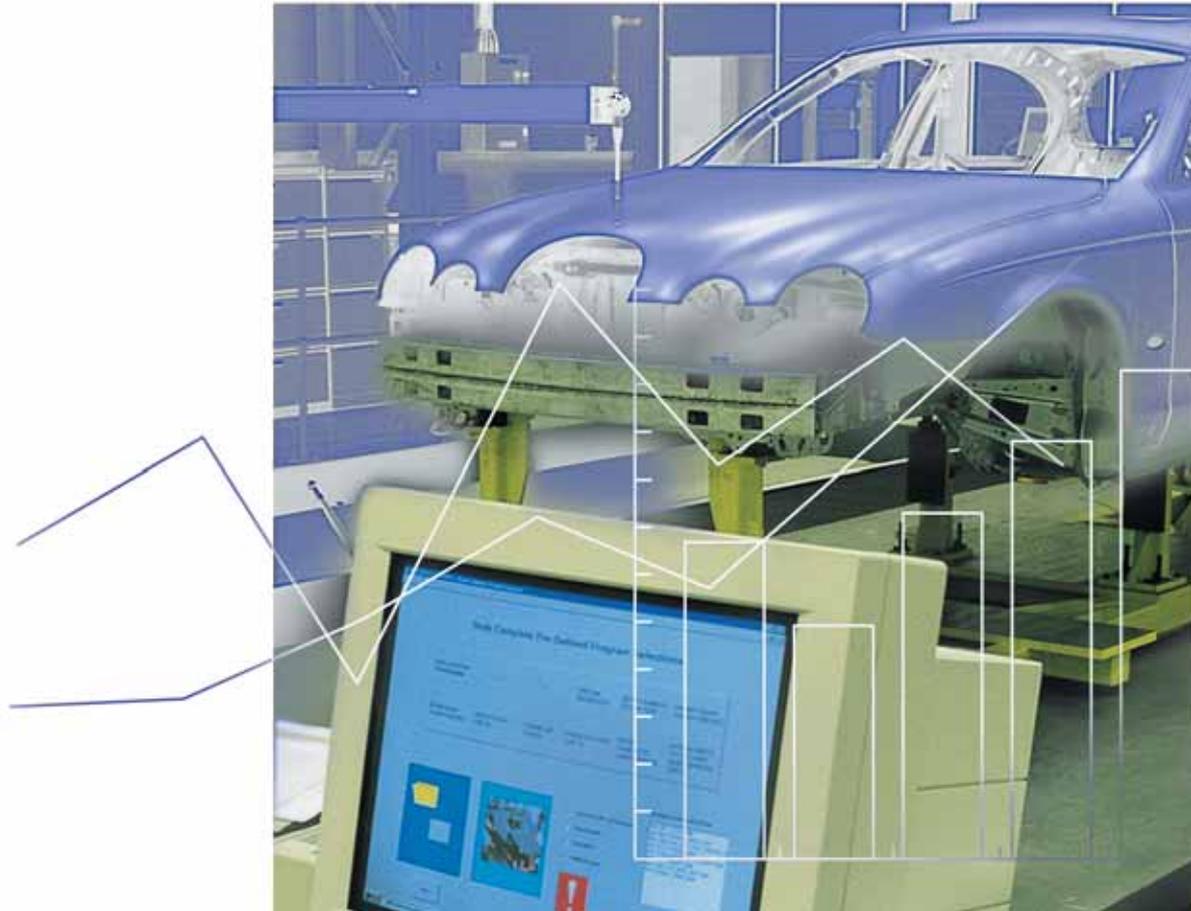


OPC Factory Server

Mastering communication to increase productivity





Mastering communication...



Easy access to PLC data. A transparent control structure. Total interoperability.

These advantages all add up optimized productivity and offer a real solution for improved communication within your process. To have them, choose an expert in automation communications. Choose Schneider.



...to increase productivity

Schneider's OPC Factory Server opens the industrial world to the MicroSoft Windows "R" standard and provides an open, interoperable client/server structure for transparent communication between software and hardware.

The OPC protocol

A globally-recognized standard.

OPC stands for OLE* for Process Control, an open communication interface defined by the 170-plus members of the OPC Foundation. Major players in the automation world such as Fisher-Rosemount, Intellution, Siemens, and Wonderware, as well as other leading manufacturers from over 30 countries around the world, have all chosen the OPC protocol.

Why? Because OPC guarantees transparent communication between software and hardware. And Schneider's OPC Factory Server (OFS) utilizes this same protocol to open the gates of communication within your control system.

OPC Factory Server

Transparency and permanence.

The OPC protocol makes good use of the Windows standards, and also furnishes the OFS* with complete interoperability, essential for gains in productivity. Communication between your software applications and equipment will become transparent. Opting for the OPC standard will guarantee a reduction in costs and the required level of security to provide a continual return on your investment.

The OPC solution

More than just a communications standard.

Opening the OFS* allows simple, real-time access to your PLC data (Quantum, Premium, Micro, Nano and Momentum). OPC is an open communication protocol. The OFS* configurator simplifies both the communication and the links to databases of devices from different manufacturers.



OPC Factory Server

Your communications standard

An open interface

Removing driver and incompatibility problems.

By using the OPC Factory Server software from Schneider, all local and remote Windows client applications readily respond to the definition of the OPC interface dialog at the heart of the communications network. More applications are easily integrated into your automation structure, such as SCADA, MES*, ERP* or Excel in Windows.

Direct access

Production data available in real-time.

OPC is indispensable for client applications that require real-time access to production data: OFS* is the interface between your client applications and the different hardware devices in your automation structure. OPC is based upon standard OLE/COM protocols for common Microsoft software packages.

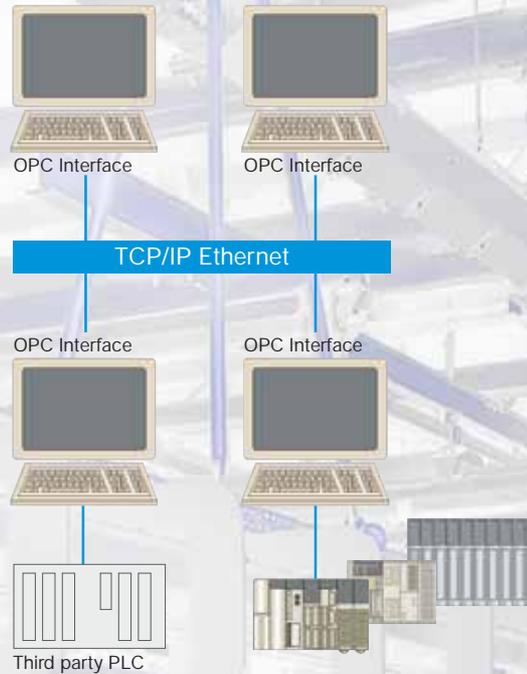
Dedicated interfaces

Personalized access to your data.

OFS* communicates with your client applications using a variety of interfaces: OPC Custom is the interface designed for specialists and developers. Programming in C++ provides direct access to the OPC server, as well as real-time performance. OPC Automation represents the ideal interface for creating an application because it minimizes the development time and the required technical knowledge. Whichever interface you choose, OFS* allows you to access the PLC variables by their icon, through standard browser-style ergonomics.



OFS* allows applications such as Excel, Monitor Pro, SCADA etc. to access real-time PLC data. OFS* has all the communication protocols used by Schneider PLCs (Modbus, Uni-TE).



OPC Factory Server : specifications

Functions	<ul style="list-style-type: none"> ■ Protocols/Networks ■ Interfaces ■ Configuration ■ Variables ■ Simulation ■ Diagnostics 	Modbus et Uni-TE/Modbus + Protocols Modbus on TCP/IP/Unitelway, Fipway, Ethway, isaway, Uni-TE on TCP/IP OPC Custom/OPC Automation/Browse Fast, user-friendly tool for setting server parameters - Access via icons or addresses - Access to the icons of the PL7 variables, Concept, or Modsoft, via export files (addressed/not addressed, simple/structured) - Direct access to variables and symbols for a Concept project Simulator for testing the application without linking to a PLC Access to the PLC diagnostics buffer (Premium), from V 2.5 onwards
Technical data	<ul style="list-style-type: none"> ■ Concept ■ PL7 	Boolean, Byte, totally stamped 16 and 32, floating 32,DFB, structures Bit, word, double word, floating 32, Const (W, DW, F), Shared system (B, W, DW), Grafcet objects, standard function blocks
Hardware tools	Platform	Modbus, Modbus + and X-WAY network cards
Software tools	Windows NT 4.0, Service Pack 1 +	Windows 95, Windows NT, Windows 2000, DCOM 1.1 option
Product	<ul style="list-style-type: none"> ■ OPC software server ■ OPC server simulator ■ Server configuration tool ■ Client application examples ■ Driversfor connecting to the Unitelway, Fipway, Ethway, Isaway, XIP (Uni-TE on TCP/IP) NT WIN 95 networks 	

* OFS: OPC Factory Server - OLE: Object Linking Embedding - MES: Management Execution System
 ERP: Enterprise Reporting Program

Schneider Electric
Industries SA

Commercial Division France

89, bd Franklin Roosevelt
F- 92504 Rueil-Malmaison
Cedex

<http://www.schneider-electric.com> www.schneiderautomation.com



JUNE 2001

AUTB201006080ENUS