

# Panasonic

ideas for life

## *FP OPC Server Software* *The standard interface between FP series PLCs* *and various SCADA/HMI software*

The Panasonic OPC Server allows high-performance data transfer between applications supporting the universally accepted OPC DA Standard (v1-v3) and Panasonic FP Series PLCs.

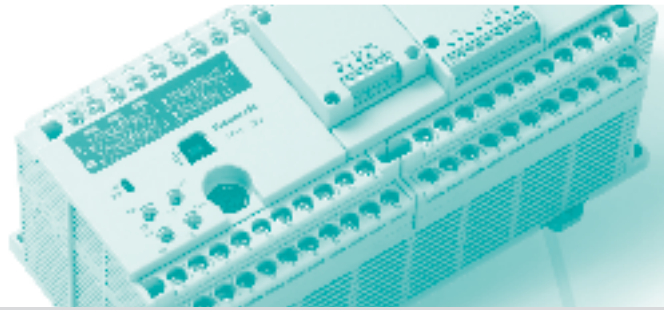
### **What is OPC?**

OPC (OLE for Process Control) is the standard communication interface for data exchange between client applications (HMI/SCADA, control/command) and industrial devices (PLC, I/O blocks, drives, etc). OPC is built upon the proven Microsoft technologies OLE, COM and DCOM (Distributed COM).

OPC specifications are designed by the OPC Foundation to meet the general needs of industry. They are independent from the type of application, what means that access to the FP OPC server for any OPC client in its network is provided.

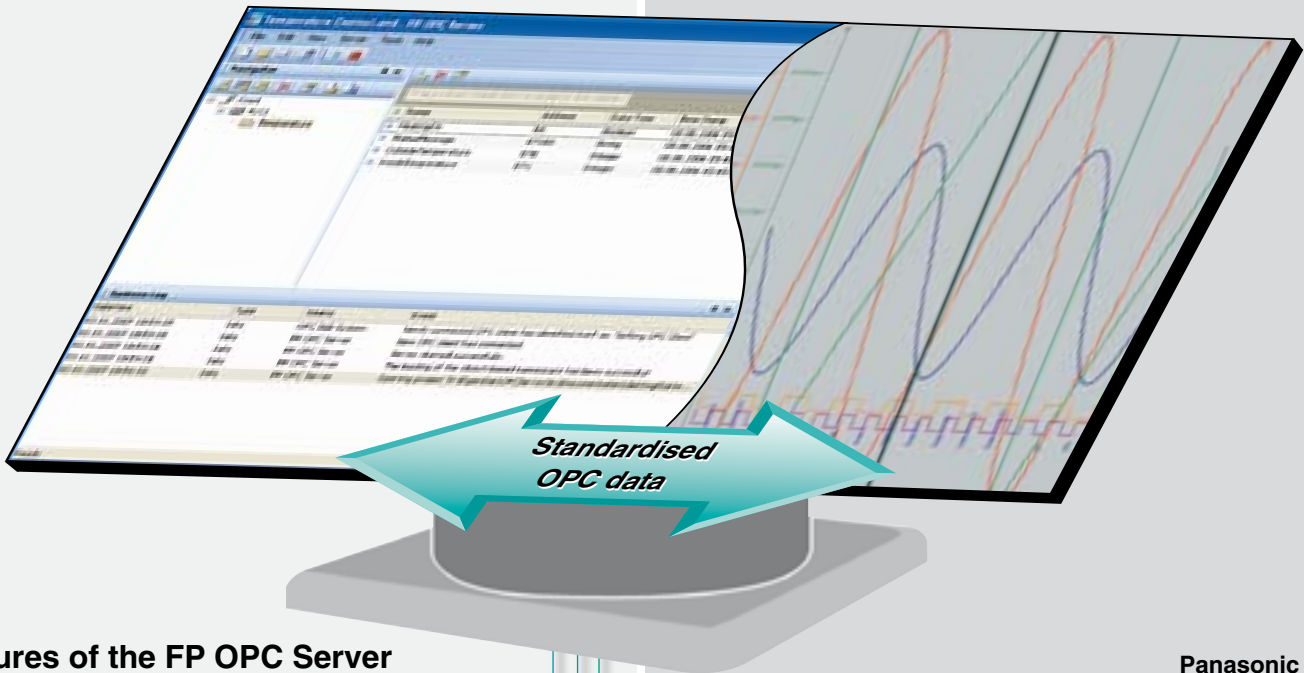


# Reliable connection to your favorite industrial application



The FP OPC Server manages the device-specific communication and provides data via a standard interface. Thus OPC clients connected to the server can exchange information with PLCs.

The illustration below is an example of OPC communication: the FP OPC Server retrieves data from an FP Series PLC using Panasonic-specific protocol and sends standard OPC data to the OPC client.



## Features of the FP OPC Server

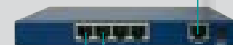
- **High performance** access to all PLC data
- **Modern and intuitive** user interface allows you to configure the server. While creating the application, sophisticated user assistance and help is omnipresent.
- **Flexible** connectivity
  - OPC connectivity: The server complies to the following OPC DA client/server technologies:
    - OPC DA 1.0a
    - OPC DA 2.05a
    - OPC DA 3.0
  - Device connectivity: The PLCs can be accessed via serial, modem and Ethernet communication lines.
- **State-of-the-art** import / export mechanism allows you to save, exchange or edit data in XML format. Data can also be exchanged with other Panasonic software products, e. g. FPWIN Pro, using a CSV file.
- **Active voice:** An icon or tool tip notifies the user about possible errors in configuration.
- The FP OPC Server allows you to **clearly structure** your application, e.g. by grouping elements in meaningful hierarchies.
- **Tolerant** of interruptions: if a connected device stops responding, e. g. because the line is interrupted, the communication is carried on for the other connected devices.

Device-specific protocol via a serial connection

Panasonic FP Series PLC



Device-specific protocol via Ethernet connection



FP Web-Server and FP-Sigma PLC

FP-X PLC with COM5 cassette attached



Device-specific protocol via modem connection

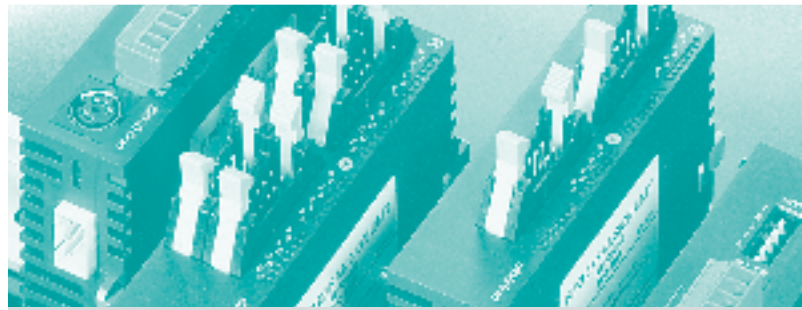


FP Modem-EU



Panasonic FP Series PLC

# Panasonic FP OPC server reduces expenditures for connectivity



The FP OPC Server configuration user interface consists of various panes. All panes offer a context menu and you can access most functions related to the panes with toolbar icons. For each item in the panes, context-sensitive help can be displayed in the help pane. Tool tips assist the user in understanding topics when the cursor passes over them.

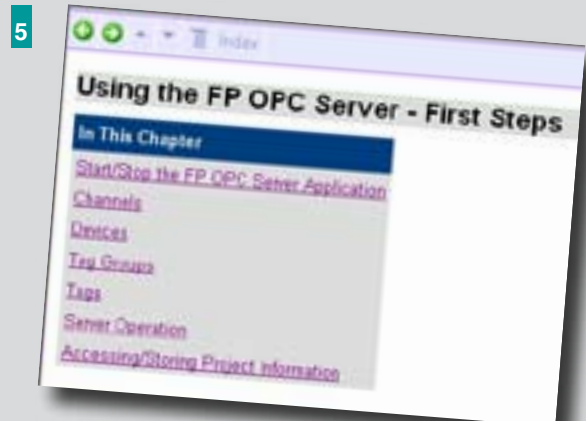
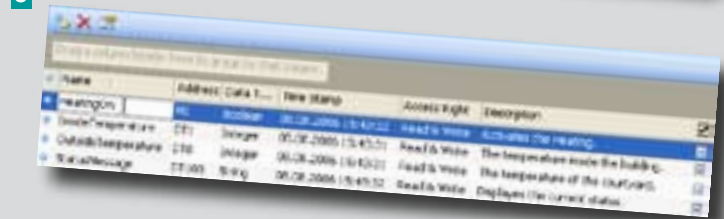
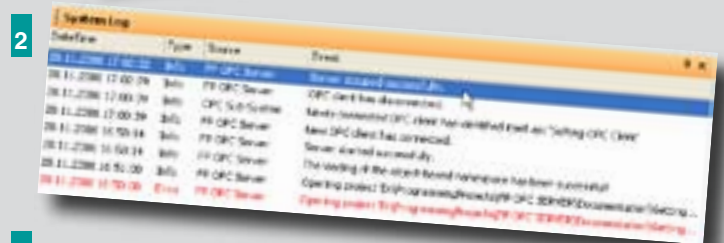
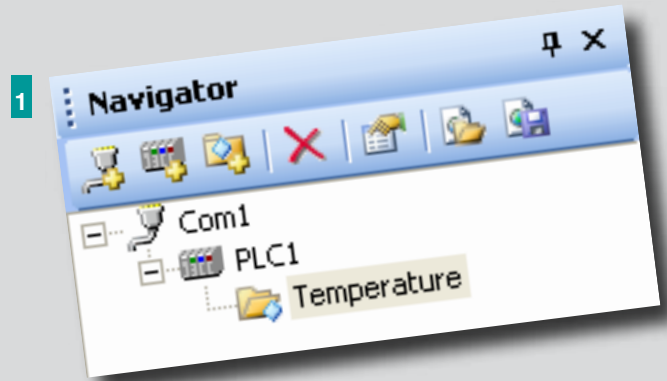
**1** The navigator pane shows the hierarchical structure of channel, device and tag group elements. Elements of these types can be created and changed in this pane. A tree structure can help you distinguish between data sources and understand relationships.

**2** The system log pane displays information, warnings and error event messages. Information about server start and stop events, client connects and disconnects as well as data time-outs is written into an editable log file while the server application is running.

**3** The tag pane shows the tag elements in a list structure. You can directly edit tag elements. To ease handling of many items, multiple rows can be selected and changes applied to all selected elements.

**4** The server status pane shows actual status information about the server application, e.g. server time, up time, connected clients and number of tags.

**5** The help pane displays the online help. The help automatically adjusts to the context and is also available in the wizard dialogs.



# Ordering Information



**FP OPC Server Software  
and one license**  
Order No.: **AFPS03510**

**Additional:  
FP OPC Server License**  
Order No.: **AFPS03517**

System requirements	Item	Required
Hardware	Hard disk space	20MB or more
	CPU grade	300MHz or more
	Lowest capacity memory	128MB or more
	Available display resolution	1024 x 768 or more
Operating Systems	Microsoft Windows 2000	SP4
	Microsoft Windows XP	For SP2, please refer to DCOM configuration (see manual)

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