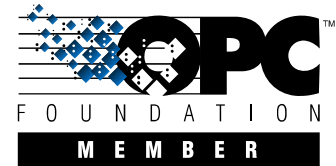
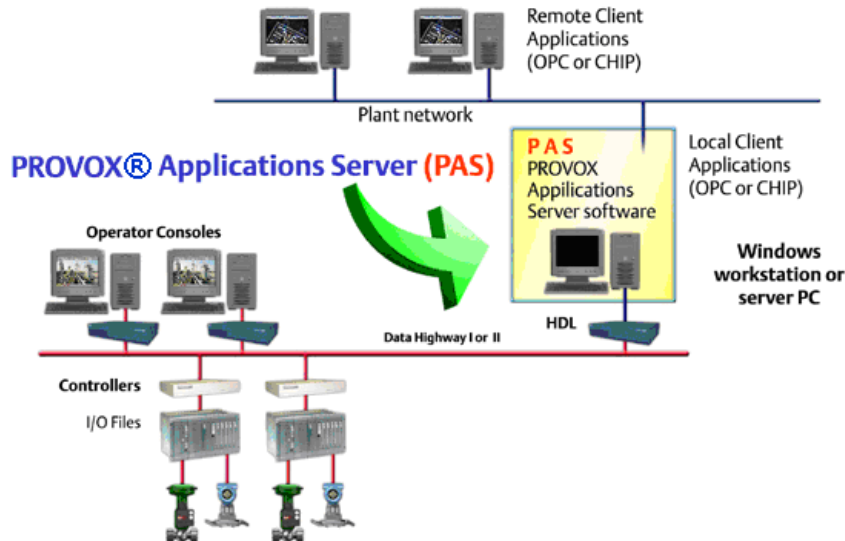


PROVOX® Applications Server (PAS)



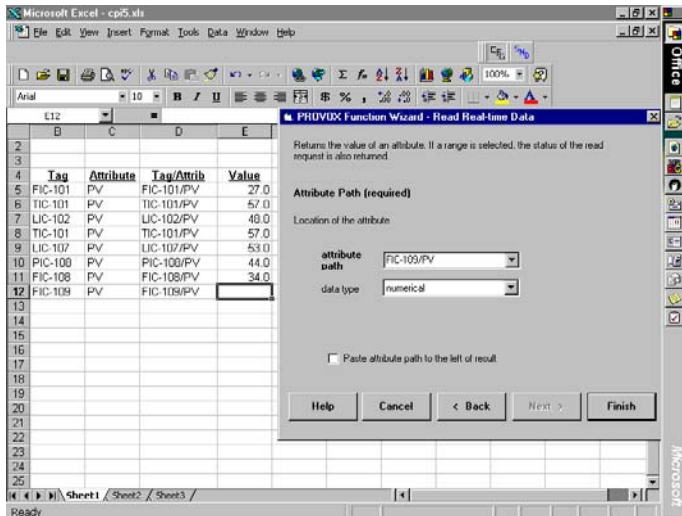
The *Integration Platform* for PROVOX is PAS

The PROVOX® Applications Server (PAS) is the integration platform for PROVOX, running on a PC with the Windows NT®, Windows® 2000, Windows XP, or Windows Server® 2003 operating systems. It provides the capability for PROVOX users to easily integrate process application software for laboratory analysis, historical data, resource planning, statistical control, and more.

- PROVOX® system data available on the Microsoft® Windows NT®, Windows® 2000, Windows XP, or Windows Server® 2003 operating system
- OPC Server (OLE for Process Control)
- Object-oriented data access
- Supports client/server architecture
- Backward-compatible with CHIP API

Introduction

PAS software puts your PROVOX® process data on the Windows® platform, allowing you to leverage all of the latest Windows applications software. Because PAS software is compliant with the OLE for Process Control (OPC) standard, it opens up PROVOX to numerous applications compliant with Microsoft® OLE technology. This dramatically increases the number of applications PROVOX users can take advantage of, without doing any programming or interfacing—it's plug-and-play with OPC. In addition to providing state-of-the-art connections with OPC, Emerson has also protected the investments of our existing users, by making PAS completely backward-compatible with our Computer Highway Interface Package (CHIP) Application Programming Interface (API)—another example of Emerson Process Management's *leading the way, with an eye to tomorrow's technology while preserving today's investments.*



Using the Excel Add-In

Features and Benefits

The PROVOX Applications Server offers these advantages:

Features

- PROVOX system data available on the Microsoft Windows NT®, Windows 2000, Windows XP, or Windows Server 2003 operating system
- OPC Server
- Object-oriented data access
- Client Server architecture, supports COM and DCOM
- CHIP application program interface
- Compatibility with numerous off-the-shelf clients
- Compatible with Visual C++, Visual Basic, C and FORTRAN languages
- Excel Add-in client included!

Benefits

- With Windows platform, gives users many hardware choices, from small to large, with high performance, at lower cost
- Eliminates the need for custom drivers
- Reduces the time and expense to interface applications with PROVOX systems

- Supports multiple-client access to a single, common server database minimizing costs and ensuring consistent data to clients
- Expands users' application choices with off-the-shelf software
- Allows easy integration of Microsoft's suite of programs
- Supports existing CHIP applications, saving time and money otherwise need to rewrite them

Computer Requirements

- The PROVOX Applications Server requires a PROVOX Highway Data Link (Type DH6032) to interface with PROVOX (Data Highway I or Data Highway II) and a personal computer with these components:
- Intel Pentium CPU (233 Mhz minimum recommended)
- Windows NT 4.0 SP6, 2000 SP3, Windows XP, or Windows Server 2003 operating system
- Minimum 32 Mbytes of random-access memory (RAM); 96 Mbytes recommended
- 3.5-inch, 1.44-Mbytes capacity floppy disk drive
- 50-Mbyte available disk storage recommended for PROVOX Applications Server software components
- Ethernet Network Interface card
- VGA or better video display unit (VDU)

Sizing and Speed

The PROVOX Applications Server provides a full 10,000-point database. The OPC Server can provide data flow at a rate of 60,000 values per second. However, the limiting factor in most PAS applications is the bandwidth, or rate at which data can be read from the PROVOX data highway using the HDL. In Data Highway I applications, PAS can nominally read 30 to 100 points per second, and if 5% of the points change each second, a reasonable database would be 600 to 2000 points. In Data Highway II applications, PAS could nominally read 75 to 250 points per second, and if 5% of the points change each second, a reasonable database would be 1500 to 5000 points.

