

# Andover Infinity™ Controller OPC Server

Andover's Controller OPC Server allows third-party OPC-based client applications to access data in Andover's Continuum and Infinity controllers through an Ethernet network.

From an OPC-compatible client application, you can:

- Access Data from Both Andover Continuum and Andover Infinity controllers via OPC-based Client Applications
- Industry-standard OPC Provides Seamless, Open Communications between Different Manufacturers' Devices and Databases
- Eliminates Need for Custom Driver Development and Resulting Driver Conflicts between Devices
- Environmental and Process Data on a Single Client Workstation — Reduces Operator Training
- Compatible with Many Popular Third-party Client Applications
- Runs on Familiar Windows NT/2000 Operating Systems over Ethernet TCP/IP
- View points from Andover Continuum™ and Andover Infinity field controllers
- Poll data for history collection and trending
- Change parameters
- Adjust setpoints
- Control outputs

## WHAT IS OPC?

OPC is an industry-standard protocol created with the collaboration of a number of leading worldwide automation and hardware/software suppliers in cooperation with Microsoft. The OPC standard offers real plug-and-play software technology for process control and factory automation, and provides seamless, open, and easy enterprise-wide communications — between different manufacturers' devices and databases and from the plant floor to MIS and beyond.

## OPC BENEFITS

OPC eliminates the need for the development of numerous custom interfaces (drivers) to access data from multiple vendors' devices, and the driver conflicts that often result among thousands of different types of control devices and software.

Along with reduced costs in integrating different systems and the elimination of custom driver costs, the OPC standard brings the value of lower training costs and lower long-term maintenance expenses. Using OPC, end-users can get a comprehensive view of both environmental and process data on a single client software workstation, so there's only one software package to learn. In addition, long-term maintenance and upgrading can be done by removing and replacing individual components in a factory floor system without any worry of inconsistencies between vendors' drivers.

### OPC SERVER COMPATIBILITY

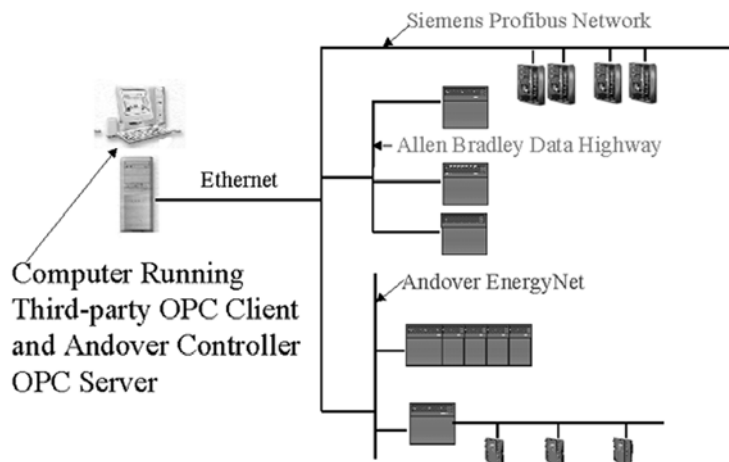
Andover's Controller OPC Server is compatible with many popular third-party OPC client applications, including Wonderware™, Matrikon™, Intellution™, Osi™, etc. OPC Server is installed on the same workstation as the OPC client software and shares the same Ethernet network as the third-party system.

OPC Server requires you designate one Andover Continuum or Andover Infinity controller on the network as the "Primary Controller." OPC Server gets its information about the network from this Controller. Data from points located within that controller, or anywhere on the network that the Primary Controller has access to, can be displayed on the OPC client browser screens.

### MINIMUM SYSTEM REQUIREMENTS FOR OPC SERVER INSTALLATION

- PC-compatible computer with a parallel port
- 32 MB RAM
- VGA/256 Color Monitor
- CD-ROM Drive
- 10 MB/s Ethernet interface running TCP/IP
- Windows NT 4.0 or Windows 2000
- Controller OPC Server Security Key (needed for communication to the controllers)

Controller OPC Server supports Data Access Specifications 1.0 and 2.0, and contains no hard-wired limit to the number of points that the client application can access.



Sample Controller OPC Server Architecture

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