FlowWeb™ OPC SERVER

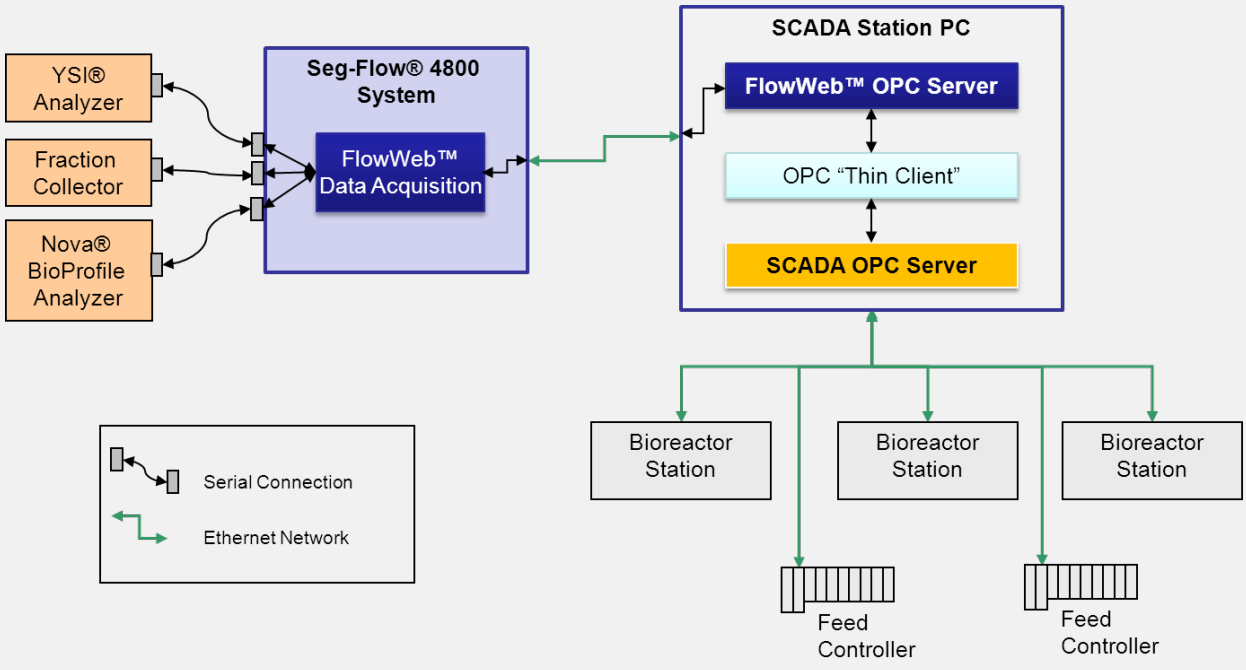
Process Analytical Technology Solutions

What is the FlowWeb OPC Server?

The FlowWeb OPC server provides a data and control connection between the Seg-Flow® 4800 Automated Sampling and Feed Control System and any OPC-enabled SCADA or data historian. This connectivity solution creates process analytical technology (PAT) solutions by allowing access of data to and from the Seg-Flow 4800 system, enhancing SCADA system functionality and improving process monitoring and control. The OPC communication is web-based and can be established across any network, including the internet. The software is 21 CFR, part 11 compliant.

How does the FlowWeb OPC Server work?

Through the SegFlow 4800 system's communication interfaces, the FlowWeb OPC server seamlessly acquires and integrates data from multiple on-line, at-line and off-line analytical instruments and exports the integrated data into any OPC-enabled SCADA system or data historian. Depending on the instrument type, the FlowWeb™ OPC server permits the SCADA system to remotely control some external devices. For systems utilizing an OPC server, a "thin-client" is employed on the SCADA PC to permit connectivity between the two servers. The following figure illustrates the basic FlowWeb OPC system architecture.



Flownamics Analytical Instruments, Inc.
3025 South Stoughton Road
Madison, WI 53716
T: 800.932.6989 F: 888.250.8197

March 2013
FAI-003-005 Rev A

FlowWeb™ OPC SERVER

System Requirements:

The FlowWeb OPC Server can be installed on any Windows PC with the following hardware and operating system (OS) requirements.

PC Hardware required:

- Ethernet connectivity to the Seg-Flow 4800 System
- 512 MB RAM
- 10 MB of available hard disk space
- CD-ROM driver
- Mouse pointing device

Windows OS that will support the OPC server:

- Windows 2000
- Windows XP
- Windows Vista, 32-bit
- Windows 7, 32/64-bit

FlowWeb™ OPC Server Features:

- Easy configuration
- Supports tag browsing
- Fully compliant OPC DA (Data Access) 1.0 and 2.0
- Permits read and write access to available data points
- Performs extensive error tracking and management
- Exports analytical data into any OPC-enabled SCADA system or data historian
- Uses web-based software for smooth integration into existing lab network and SCADA
- Remote access using IP address and web browser

FlowWeb™ OPC Server Benefits:

- On-line, at-line and off-line data acquisition and analysis integration
- Conduct simultaneous on-line monitoring of multiple analytical devices
- Enhance process monitoring through integrated analytical approach
- Increase process knowledge through real-time analysis
- Improve process control and performance

Flownamics Analytical Instruments, Inc.
3025 South Stoughton Road
Madison, WI 53716
T: 800.932.6989 F: 888.250.8197

March **2013**
FAI-003-005 Rev A