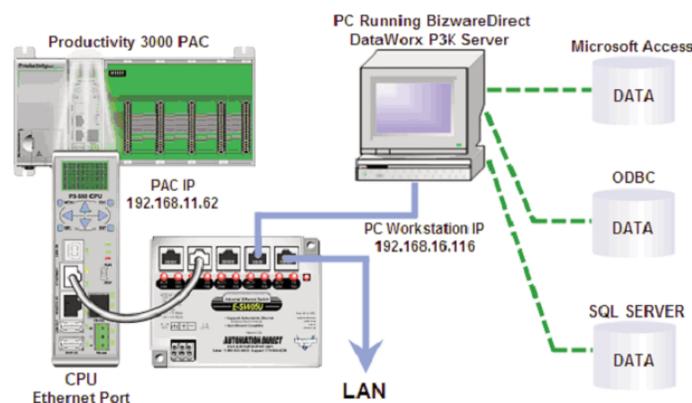


Wondering why you should consider a DataWorx data logging solution for your system?

- No SCADA required, but it's still compatible with most brands
- Satisfy quality assurance or audit trailing procedures with built-in date/time stamping feature
- DataWorx will save you time and money
- Benefit from significant improvements to your operations in the form of increased efficiency, regardless of your existing systems.
- It will help you easily visualize, understand, and act upon data generated from your industrial and facility equipment, substations, PLCs, PACs.

DataWorx

1. What is it?



DataWorx is a powerful yet affordable data collection and monitoring software package. It uses Ethernet communication to negotiate with field devices to log analog and discreet values according to your configuration. It also allows you to easily collect and view data on any standalone PC or network server without special programming or expensive third-party applications.



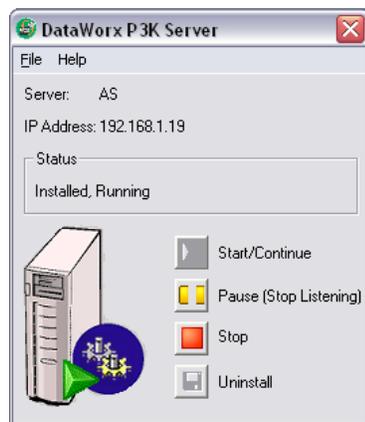
[Click here for a video overview of the DataWorx PLC Software](#)

In order to be fast and reliable, DataWorx uses a report-by-exception logging method. This means that it only reports data if a requested value has changed since the last scan. This is a key feature of the package because it causes the server to request fewer data packets less often, reducing the total load on the network. On the other hand, traditional polling methods require lots of bandwidth because they ask for status updates from all data points, on every scan. If only a few values have changed, the other packets transmitted were 100% waste.

2. How does it work?

DataWorx is comprised of two applications to maximize its functionality and ease of use. They are the Server and Monitor. The Server facilitates the transmission of data from your field devices while the Monitor controls how the data is managed and used once it's collected. Both components are reliable and have a small processing footprint.

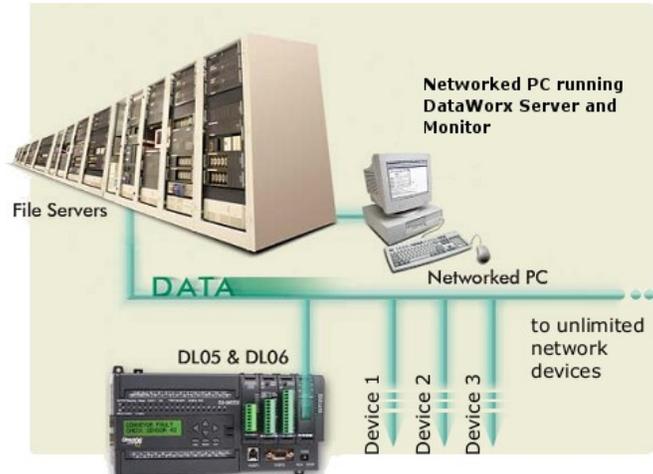
1. DataWorx Modbus TCP Server



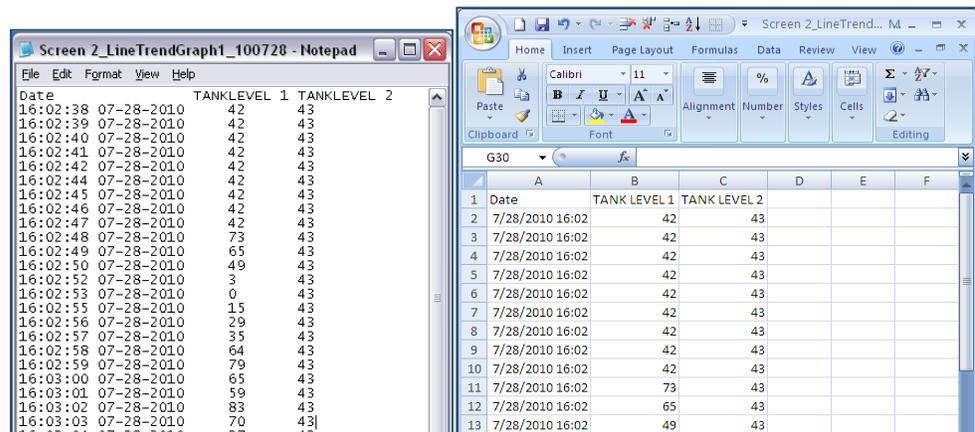
The server application listens to the network and collects data from your configured devices. It's installed on the designated server and runs in the background as a Microsoft Windows service.



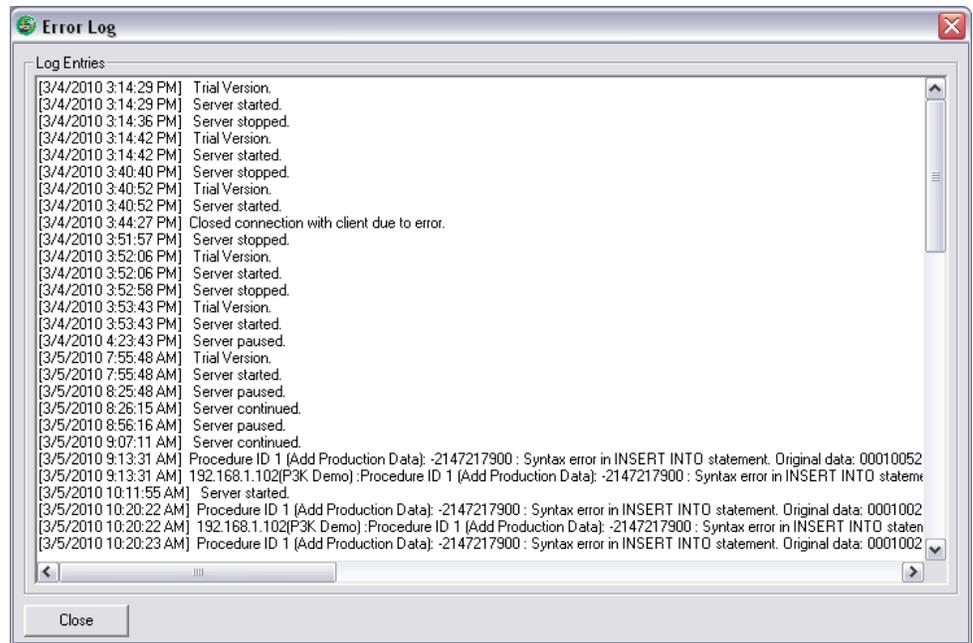
- a. The Server can connect to an unlimited number of devices to collect an unlimited amount of data. This is helpful if you are monitoring a very large process with many data sources such as water treatment or manufacturing facility.



- b. Once installed, the auto-start feature allows the server to run whether or not anyone is logged-in to the server PC. Therefore, any time you need to perform maintenance reboots, your server PC will automatically start data logging and will take full control over the process without the need for an onsite technician.
- c. DataWorx can collect information in both comma-delimited or tab-delimited text files which can be opened and manipulated by almost all spreadsheet editing, text editing and database management programs such as Microsoft Excel and Access, Windows Notepad, and even common web browsers like Internet Explorer.



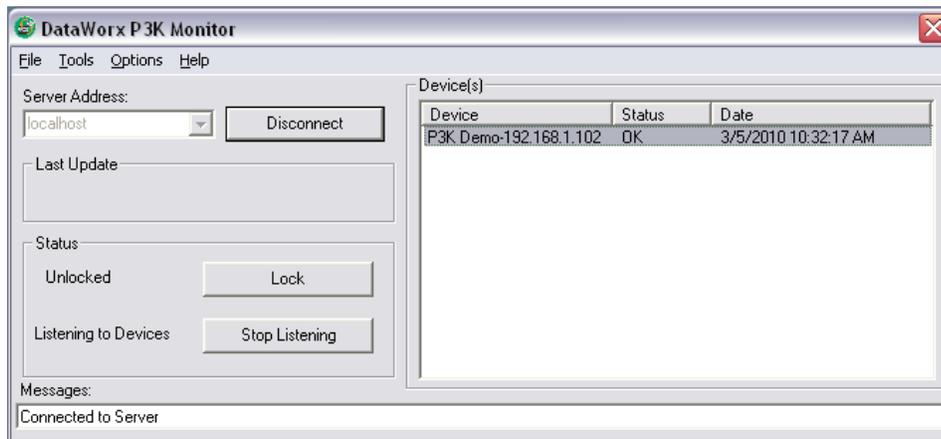
- d. A Diagnostic Error Log is available for quick troubleshooting under the Help file. It clearly displays the current server status (started, stopped or paused) and verifies that the data being transferred matches the Server configuration. This feature is very useful for a quick overview of your entire logging network.



2. DataWorx Modbus TCP Monitor

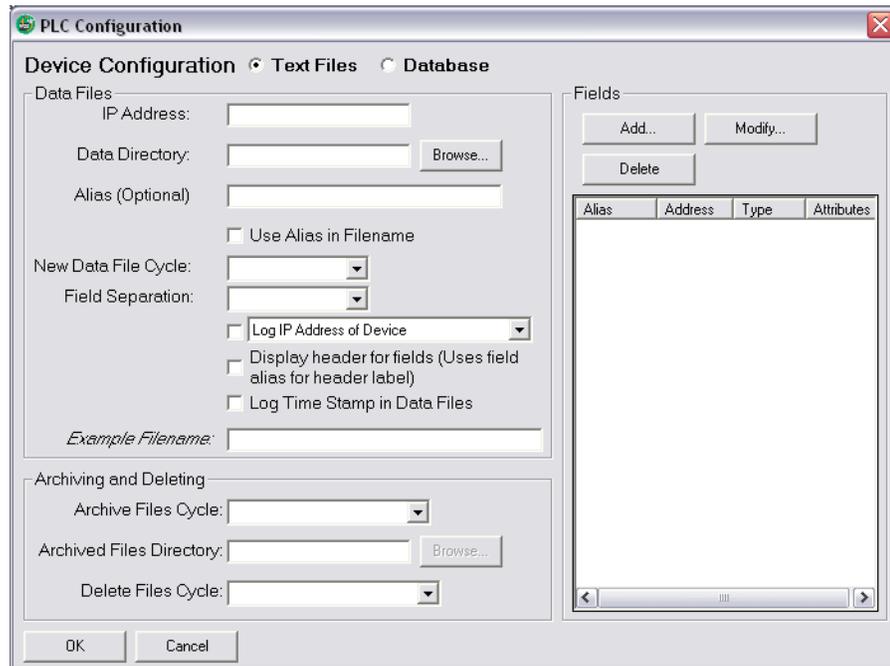


The second component of the DataWorx software package is the Monitor. This application is used to configure the Server's file-creation cycle, device settings, and is useful for troubleshooting.

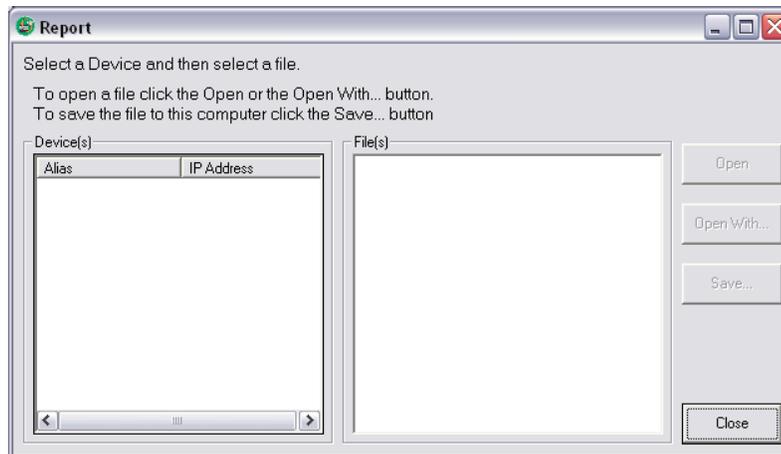


- a. With the DataWorx Monitor's PLC Configuration window, one can create a separate configuration file for each PLC. For each, one can specify and customize logging properties such as the storage directory, the type of field separation (comma or tab), archiving settings, and specify which data fields to monitor. The Monitor application can also be used to tell the Server to archive logged files into a ZIP file. The archive files can later be purged

from the system automatically, according to parameters set by the user. Archiving and deleting can occur daily, monthly or yearly.



- b. One of the most useful features of the DataWorx Monitor is its ability to run on any PC that's networked to the Server. Therefore, you can retrieve data without having physical access to the Server or plant devices. This is accomplished via the Report dialog box. From here you can print and save log files to your computer.

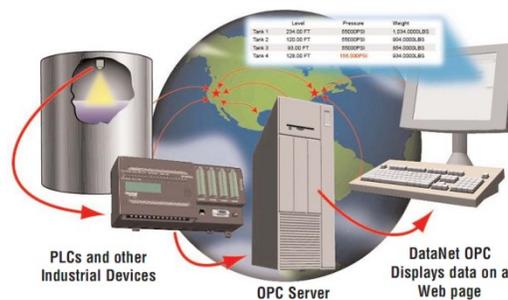




DataNet Enterprise

Once you have your DataWorx system configured, you may find use in features such as the ability to publish your data on the internet in custom reports or live process data as it's recorded. For these and many other advanced capabilities you will need DataNet Enterprise. This software package was designed by BizWareDirect so it is fully compatible and highly recommended with any DataWorx application. Its key features include:

- The ability to view live data via OPC on any computer that can access the Internet
- Log to and Pull data from multiple databases
- Create a Web interface to read and write to a database
- Create custom reports and graphs
- Automatic email reports and alarming
- Dynamic graphics
- No HTML programming!



Additional Resources:

1. [Why Databases?](#) – Education info on database use
2. [DataWorx Tutorials and Troubleshooting](#)
3. [Automation Direct DataWorx Product Pages](#)
4. [Automation Direct DataNet Products](#)
5. [BizwareDirect DataWorx](#)
6. [BizwareDirect DataNet Enterprise](#)