DataWorx Productivity3000 Server

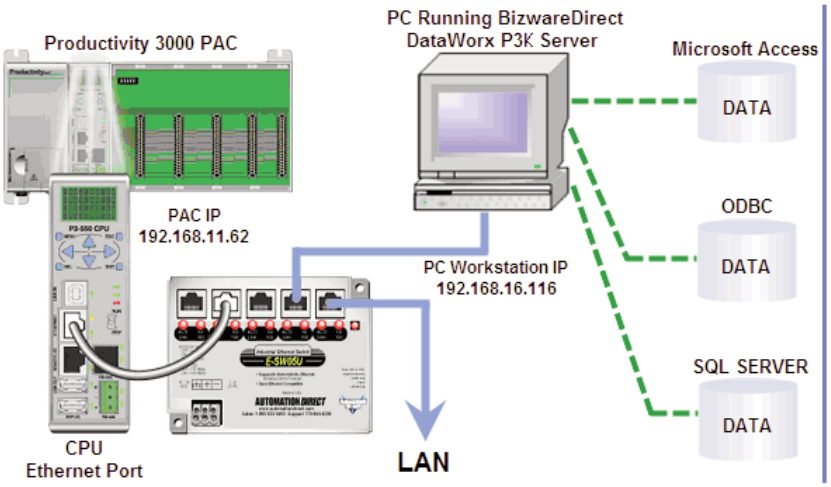
The DataWorx P3K server software maximizes the value of your industrial data by allowing you to collect data and connect your Productivity3000 system to networked database servers. Collect real-time data from the plant floor and store it into a standard Microsoft Access, SQL server or ODBC compatible database. The unique report-by-exception technology allows direct communication between the Productivity3000 and the database(s). It gives control of the data logging and storage to the CPU so it can send data only when needed, greatly reducing the amount of network traffic.

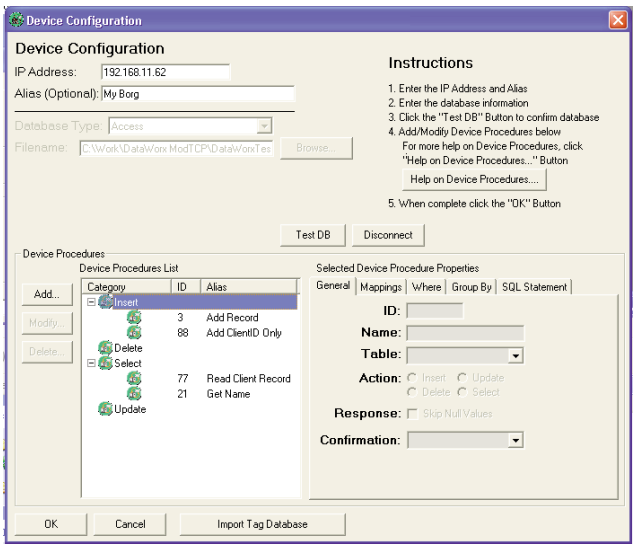
Connect your Productivity3000 to your Enterprise system

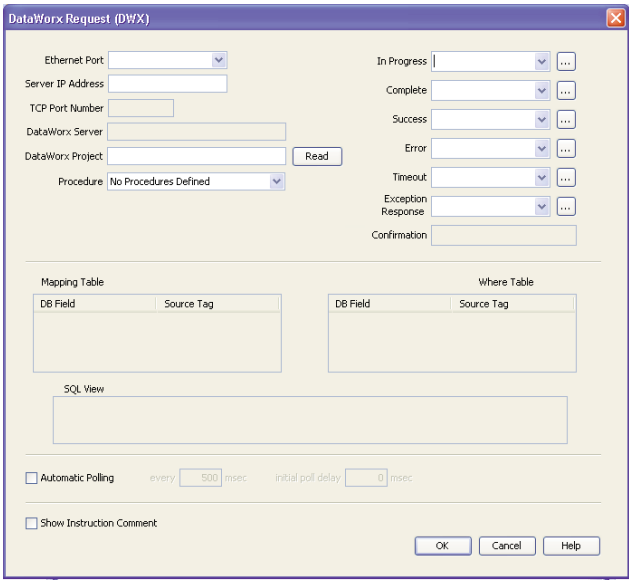
What is it?

DataWorx P3K gives you an inexpensive solution for connecting your Productivity3000 PAC system to enterprise systems by providing direct database interaction. Productivity3000 is able to conduct its own database operations, so records are always accurate and up-to-date. DataWorx P3K connects people to the plant, putting valuable information in the hands of those who need it to make crucial decisions.

Topology





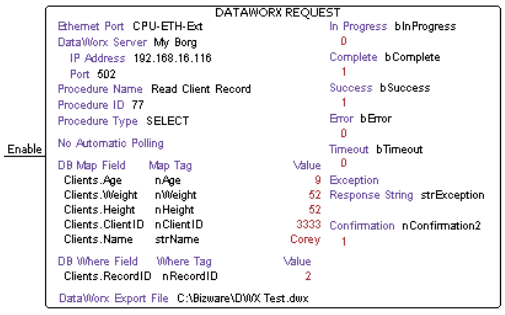


Benefits of DataWorx P3K

- Makes industrial data directly and readily available to those who need it to make organizational decisions.
- Allows data to flow freely between plant floor and your IT enterprise system.
- Report-by-exception technology eases network traffic.
- Gives PAC complete control over data storage and retrieval.
- Easy installation, no programming necessary.
- No SCADA system needed.
- Stores unlimited amounts of data.
- Packages available to monitor unlimited number of PACs or industrial devices.

Built-in Ladder Instruction

The Productivity3000 has incorporated a DataWorx instruction to simplify the configuration and data transfer between the controller and enterprise network.



Practical Applications

- Enable your industrial devices to track plant-floor progress and maintain a precise inventory to increase efficiency and accuracy.
- Store, set and change recipes to improve reliability in operations using multiple formulas and set-points.
- Log valuable production data into a database for convenient storage, easy retrieval and organized displays.
- Archive test data in a secure database with built-in date/time stamping features to satisfy quality assurance or audit procedures.

DataWorx PLC/WinPLC Data Collection

AutomationDirect joins BizWareDirect to offer exceptional data collection software

AUTOMATIONDIRECT has teamed up with BizWareDirect to offer its customers data-collection and monitoring software for AUTOMATIONDIRECT compatible *Direct*LOGIC PLCs and Think & Do Studio or Think & Do Live! WinPLCs. Before DataWorx, it was necessary to purchase an OPC/DDE server, write code or buy an HMI package to program, in order to collect data from AUTOMATIONDIRECT PLCs/WinPLCs. Now DataWorx makes it simple and cost effective to collect valuable data to enable you to make better business decisions. BizWareDirect offers software products, and a variety of engineering services to assist manufacturers and utilities to automate, monitor, and collect data from their processes through the most productive and cost-effective means possible.

BizWareDirect + Automation Direct = < **The Best Bang for the Buck in Automation Software**

www.bizwaredirect.com

www.automationdirect.com

System requirements

DataWorx PLC requirements:

The PC hardware requirements for DataWorx PLC include a Pentium II with 128 megabytes of RAM and at least 10 megabytes of hard disk space free. The Server application can run on Windows NT/2000 /XP/Vista. The Monitor application can run on Windows 98/NT/2000/XP/Vista.

AUTOMATIONDIRECT PLCs: H0-ECOM/ECOM100, H2-ECOM(-F)/ECOM100, or H4ECOM(-F)/ECOM100

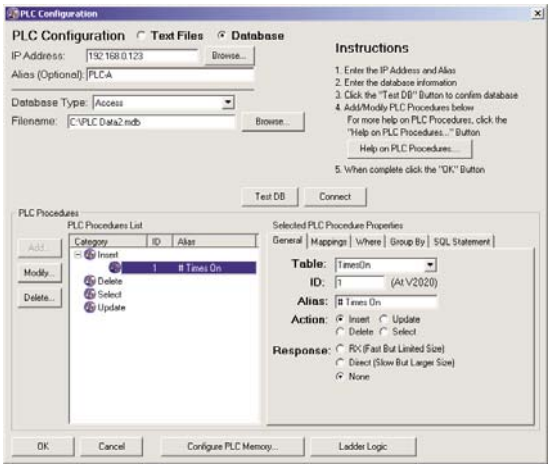
DataWorx WinPLC requirements:

The PC hardware requirements for DataWorx WinPLC include a Pentium II with 128 megabytes of RAM and at least 10 megabytes of hard disk space free. The Server application can run on Windows NT/2000/XP/Vista. The Monitor application can run on Windows 98/NT/2000/XP/Vista.

AUTOMATIONDIRECT Think & Do Studio and Think & Do Live! WinPLCs: H2-WPLC2-EN or H2-WPLC3-EN

BizWareDirect DataWorx PLC Professional software provides database access to collected data

DataWorx PLC Professional is an additional product offered by BizWareDirect that collects data for AutomationDirect DirectLOGIC PLCs, Think & Do Studio or Think & Do Live! WinPLCs and other PLCs with the added feature of being able to store information into a database using SQL statements. The user can perform database operations such as storing PLC/WinPLC data and returning queries to the PLC/WinPLC. The user may configure database connectivity and operations in an easy to use GUI (as shown). Currently DataWorx PLC Professional supports Access and Microsoft SQL Server as well as ODBC connectivity. DataWorx PLC *Professional* is available through BizWareDirect. For more information, visit www.bizwaredirect.com or call 770-886-5878.



Ethernet PLC/WinPLC Data Collection

DataWorx software: Connect Ethernet-enabled PLCs for easy data collection at an affordable price

What is it?

The DataWorx Software package easily connects your Ethernet enabled *Direct*LOGIC PLCs, or Think & Do Studio or Think & Do Live! WinPLCs, to stand-alone PCs or network servers for simple data logging. This means that any PC or server on the network can receive valuable PLC/WinPLC data without the need for special PC programming or any 3rd party HMI, SCADA, or DAQ software application. DataWorx is easy to set up and use, and is priced right. Without a doubt, DataWorx will save you both time and money.

NEW! With the new DataWorx P3K software, you can now easily connect your Productivity3000 system to a Microsoft Access, SQL or ODBC compatible database server.

How do I use it?

Simply install the DataWorx software on a PC or file server on the same targeted Ethernet PLC network. Next, enable the PLC logic to write data to your choice of delimited text files or CSV files onto the networked PCs or a file server.

Benefits of DataWorx

- Easy setup
- No SCADA software required
- Stores unlimited amounts of data
- Can receive data from an unlimited number of ***Direct***LOGIC PLCs, or Think & Do Studio or Think & Do Live! WinPLCs
- ***Direct***LOGIC PLCs, or Think & Do Studio or Think & Do Live! WinPLCs have complete control of storing the data
- DataWorx PK3 Software connects any networked Productivity3000 system to a supported database.

Applications

- Log valuable production data to networked PCs or file servers for Statistical Process Control decision making.
- Archive test data in a secure server file location with built-in date/time stamping features to satisfy quality assurance or audit trailing procedures.
- Use in data acquisition applications as source content for historical trending to be used by higher level business system applications.
- Transferring, updating and retrieving data into/from a network database.

Product line-up

DataWorx PLC Software

PC-DATPLC-1 <--->
Support for one ***Direct***LOGIC PLC (with HX-ECOM (100) module installed)

PC-DATPLC-UN <--->
Support unlimited ***Direct-***LOGIC PLCs (with HX-ECOM (100) modules installed)

DataWorx WinPLC Software

PC-DATWINPLC-1 <--->
Support for one Think & Do Studio or Think & Do Live! WinPLC

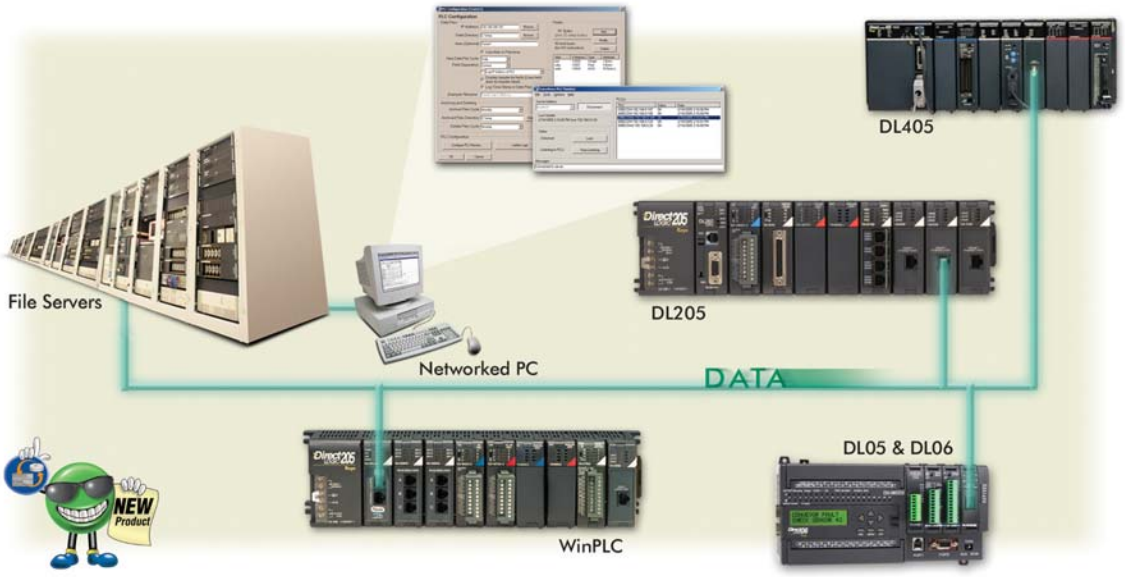
PC-DATWINPLC-UN <--->
Support unlimited Think & Do Studio or Think & Do Live! WinPLCs

DataWorx P3K Software

PC-DATP3K-1 <--->
Support for one Productivity3000 system

PC-DATP3K-UN <--->
Supports unlimited Productivity3000 system

PC-DATP3K-UPG <--->
Upgrade from a single license to unlimited

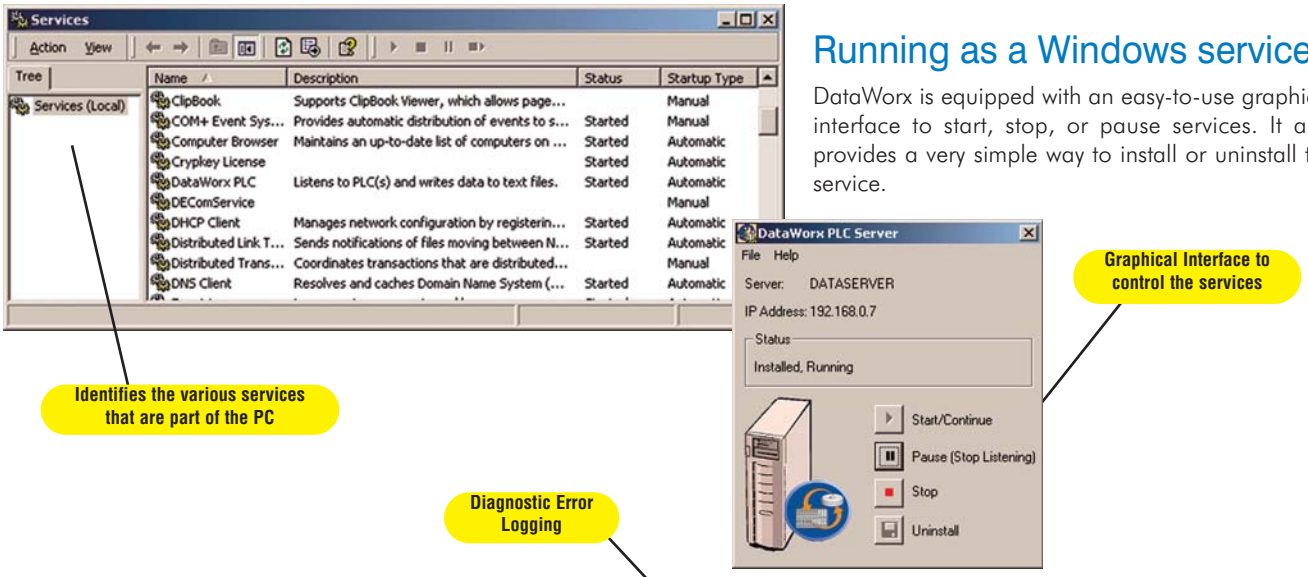


DataWorx PLC/WinPLC Server

The DataWorx software packages include a server application that runs as a Microsoft Windows "service". Running as a service means the DataWorx program runs whether or not anyone is presently logged in on the PC. Another advantage of the server running as a service is that the user does not need to manually start the logging every time the computer restarts. The application "listens" for information from the PLC/WinPLC and logs the data into a file configured from the Monitoring application. The server is capable of collecting an unlimited amount of data from an unlimited number of PLCs/WinPLCs.

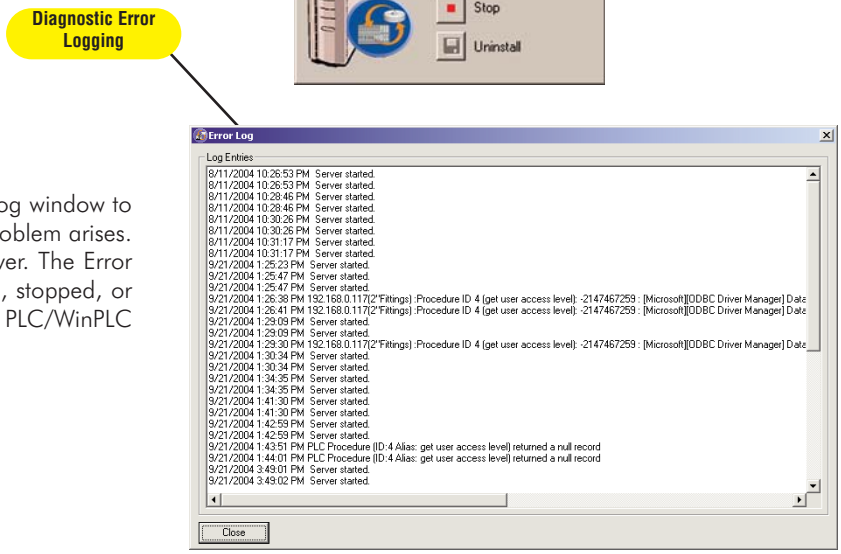
Running as a Windows service

DataWorx is equipped with an easy-to-use graphical interface to start, stop, or pause services. It also provides a very simple way to install or uninstall the service.



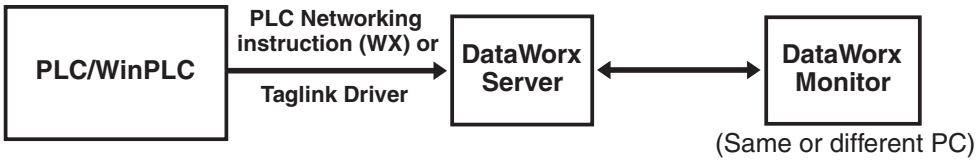
Error log

The Server has a useful Diagnostic Error Log window to help with troubleshooting the Server if a problem arises. The Error Log shows the status of the Server. The Error Log indicates whether the Server is started, stopped, or paused, and if the data received from the PLC/WinPLC matches the data configured in the Server.



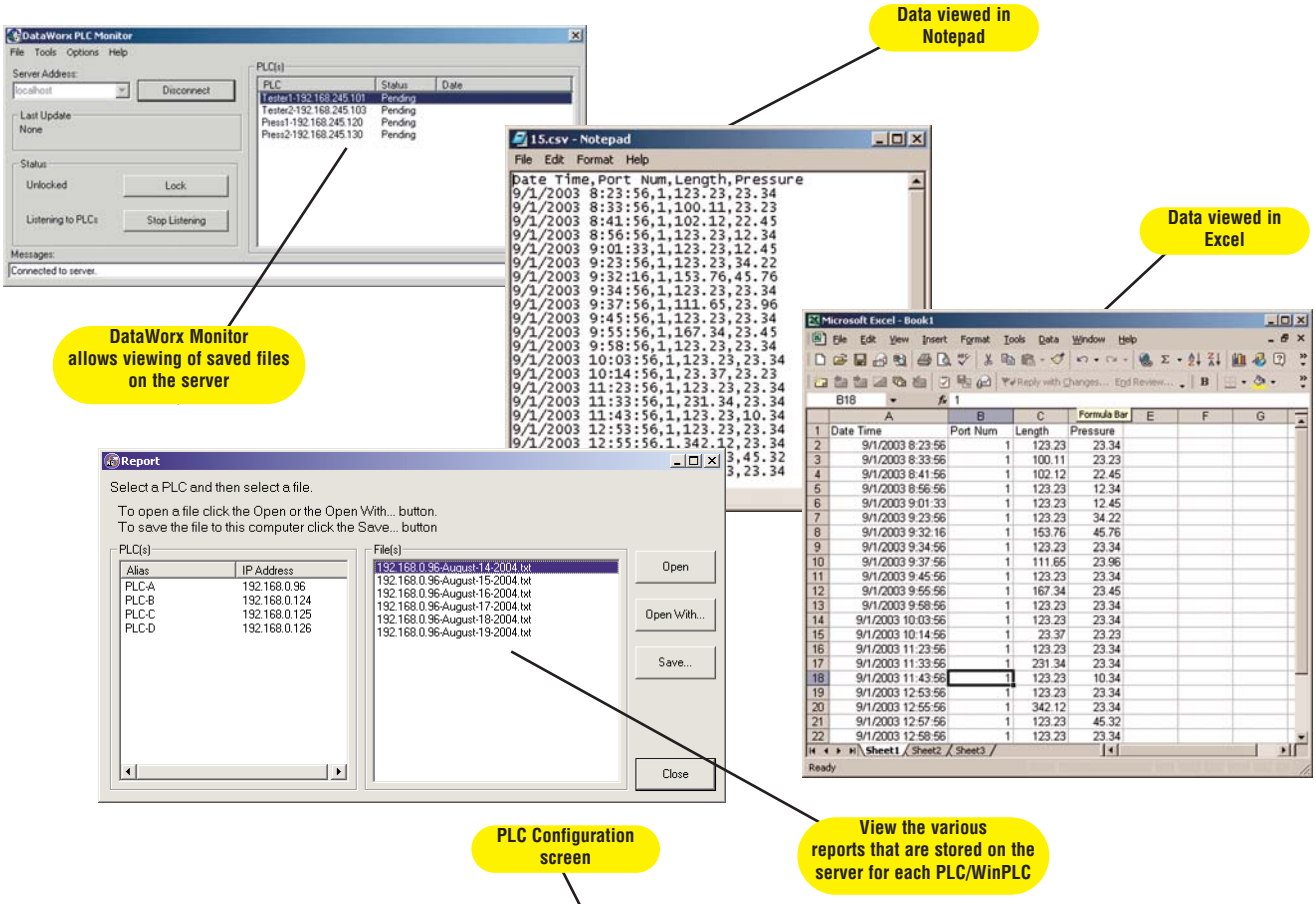
RBE (Report by Exception) technology

RBE technology is what makes DataWorx software unique. Rather than the usual data collection through polling PLCs/WinPLCs, RBE technology makes the Server "listen" for data that has changed before it stores the information. The PLC/WinPLC sends data ONLY when needed. The common method of collecting data by continuous polling adds a lot of network traffic, causes the CPU utilization to dramatically increase, and in most applications, requires a dedicated PC. In contrast, the RBE method gives the PLC/WinPLC complete control to store data to a networked PC or file server hard drive and store the data locally if the network is down.



DataWorx PLC/WinPLC Monitor

The Monitor application included in the DataWorx package configures the server's file creation cycle, and PLC/WinPLC listings. The Monitor also allows the user to view or save the data files stored on the server. Files can be opened and viewed in Notepad, Excel, or another chosen program. The user may select to create files on a daily, monthly, or yearly basis. The Monitor application is able to conveniently run from any PC that is networked with the server.



Configuration

Using the Monitor application, users can configure the server to log data to the server's hard drive in a comma or tab delimited text file. Users can also include a date and time stamp in the file, and an alias for each data item sent. The alias can be used as the file's header.

Archiving

The server can be configured to archive the log files into a zip file that can be copied to an archive directory for easy management. In the directory, files can be deleted automatically according to the parameters set by the user. Archiving can occur daily, monthly, or yearly as needed.