Easy data acquisition & design

DataWorx
ETHERNET DATA LOGGING

DataWorx™: Connect Ethernet-enabled controllers for data collection

DataWorx easily connects your Ethernet-enabled DirectLOGIC PLCs, Think & Do v8.0 or Live! WinPLC controllers to standalone PCs or network servers for simple data logging. Collect data without the need for special PC programming or any 3rd party HMI, SCADA, or DAQ software application.

Should I use DataWorx or KEP*Direct*?

DataWorx is for simple data logging. The PLC pushes data to DataWorx, DataWorx records the data to a file on the PC. If you just need to log your PLC variables to a file, this is the easiest way.

It puts the controller in full control of database activities.

KEPDirect is an OPC server for AutomationDirect PLCs. What you connect on the other side of the server is up to you, the possibilities are wide open. The OPC client you choose controls when data moves to or from the PAC/PLC.

KEP*Direct* OPC Server for easy data acquisition or control

KEPDirect OPC Server connects your favorite Windows client software to AutomationDirect I/O through our EBCs (Ethernet Base Controllers), to our DirectLOGIC PLCs through ECOM modules or serial ports, or the Productivity series Ethernet connectivity.

Any industrial HMI, SCADA, data historian, MES or ERP software package that includes an OPC client interface (most do) can connect to our PLC hardware for cost-effective data acquisition or control. You can even use Visual Basic® to create data logging or simple HMI screens. (Requires OPC DA Client Tool Kit to use OPC with Visual Basic.)

PC Control with Think & Do

Think & Do Version 8 software products, America's leading PC control software, bring you all the tools you need to easily handle complex applications. With intuitive flowcharting, powerful graphics tools, higher math functions and data types, serial and Ethernet communications and interfaces to specialty control modules, Think & Do software is right for applications that PLCs just can't handle alone. Think & Do Version 8: Advanced PC-based control with enhanced HMI development software and an SQL interface for more complex applications.

DataWorx - Data Collection Made Easy

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

What is it?

DataWorx PLC provides an easy and inexpensive way to collect data from DirectLOGIC PLCs. The DataWorx Server stores the information onto a PC into either a comma or tab delimited text file(s). Text files may be created on a daily, monthly or yearly basis. The data may be opened in Excel, NotePad or another program of the user's choice. At this point, the user can save the filesand/ or print the data.

The DataWorx PLC software package is unique because it offers "report by exception" data collection rather than the typical data collection through polling of PLCs. This method allows the PLC complete control to store the data to a computer hard drive. The report-by-exception method eases network traffic because, unlike polling, the PLC sends information only when needed, rather than continuously.

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 controller 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
- At 96 bytes per device, store unlimited amounts of data
- Can receive data from an unlimited number of *Direct*LOGIC PLCs

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.

DataWorx system requirements:

The PC hardware requirements for DataWorx 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 2000/ XP/Vista/7(32 and 64 bit). The Monitor application can run on Windows2000/ XP/Vista/7(32 and 64 bit).

Requires an AutomationDirect DirectLOGIC PLC system using one of the following Ethernet communications modules:

H0-ECOM(100), H2-ECOM(100), H4-ECOM(100)

Products

DataWorx PLC Software
Works with H0-ECOM100, H2-ECOM100/ H2-ECOM-F or H4-ECOM100/H4-ECOM-F Ethernet modules

PC-DATPLC-1

Support for one *Direct*LOGIC PLC (with HX-ECOM100 module installed) *(also available in 3 and 7-node versions)*

PC-DATPLC-UN   0.00

Support unlimited *Direct*LOGIC PLCs (with HX-ECOM100 modules installed)

File Servers

Networked PC

DATA

DL405

DL205

DL05 & DL06

WinPLC