

PiConect OPC Software Product

What is PiConect?

PiConect is an OPC client software product that reads data from any OPC server and then generates a real-time Excel spreadsheet file in either XLS or CSV formats. These files can be then used by other applications for performing standard or special calculations in a real-time, online environment. There are many special process engineering, process control and business applications that need to read live data from the DCS or PLC and then run the special custom calculations. PiConect provides a convenient and powerful method to read the real-time data and generate "live" Excel files. Following is a simple illustration:

Example of the use of PiConect

Process or contact engineers or managers need to read the temperature, pressure and mole fractions from an online analyzer and then perform calculations to report gas density in a real-time manner. PiConect can be configured to read all the input data through an Input OPC server and then write the values into an Excel file. The custom calculation to calculate the gas density can then read data from the Excel file and then complete complex or iterative calculations that may not be easily done on a DCS or PLC.

There are many such similar applications involving various different OPC servers connected to DCSs or PLCs. PiConect works with all types of OPC servers.

Configuration of PiConect

Configuration of PiConect is remarkably simple. The user just clicks and selects the Input OPC server (from which data are to be read). The user also specifies the frequency of the data transfer and also the appropriate tags from the Input OPC server, the destination Excel filename and format type (XLS or CSV).

For the OPC server, PiConect pops up menus to detect the available computer names on the network and then the different OPC servers available on the given selected computer.

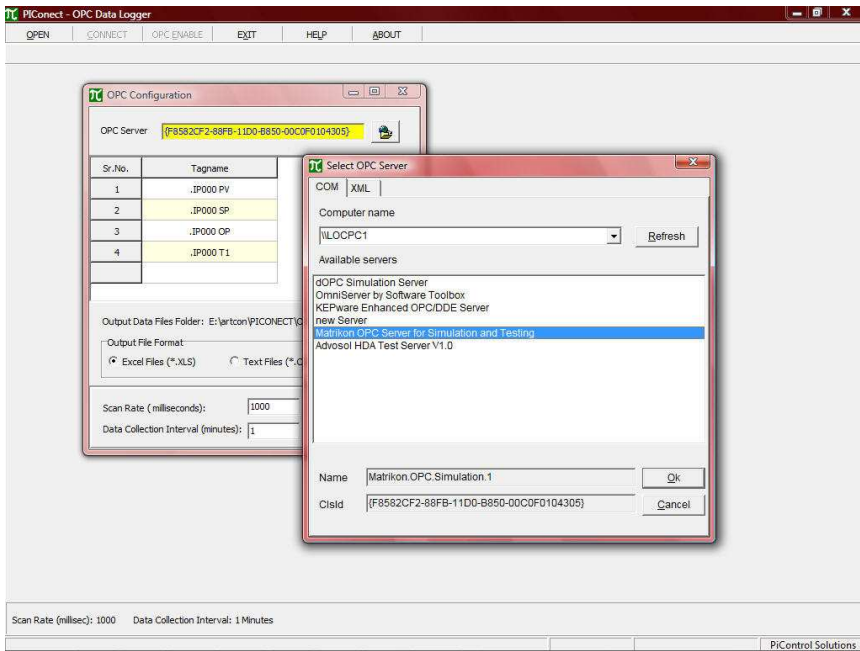
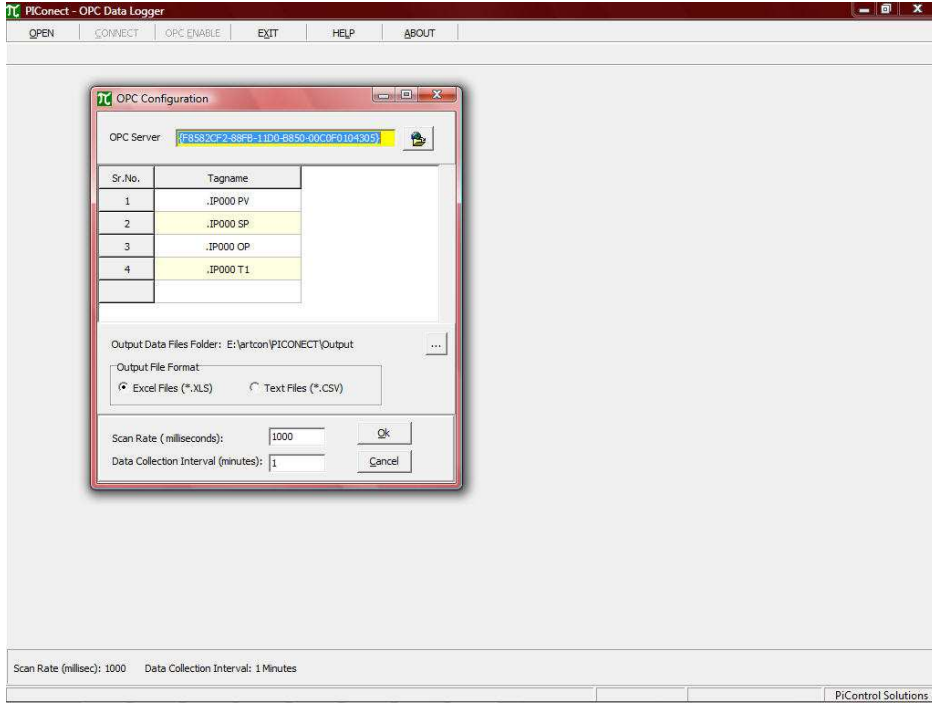
Sample OPC tagnames are listed below:

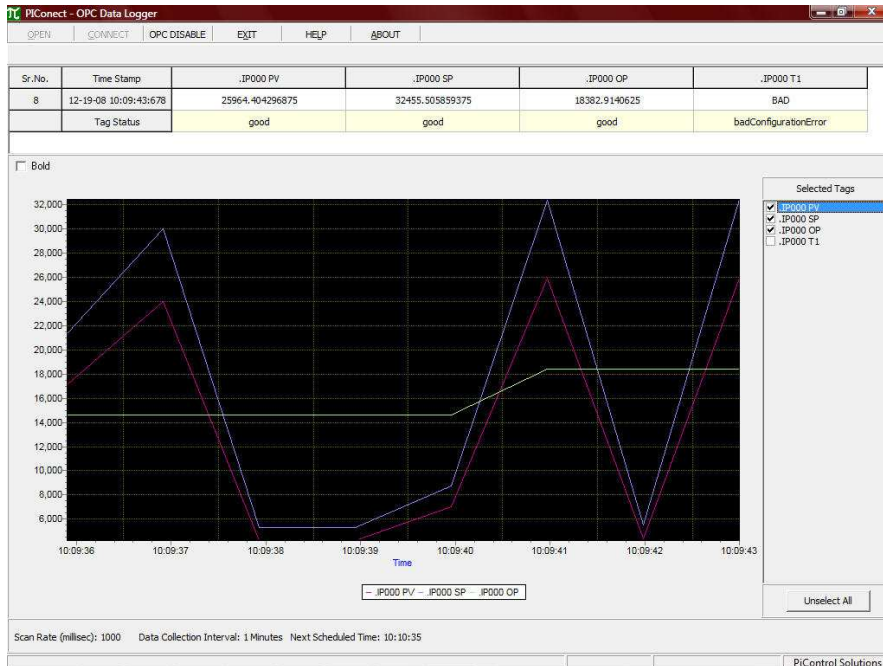
- 1=.IP000 PV
- 2=.OP000 SP
- 3=.OP000 OP
- 4=.OP000 T1

PiConect provides a quick and easy method to configure as many as 2000 tags conveniently. Comparable competitor software products do not provide this unique capability in PiConect to configure so many tags quickly and easily.

PiConect Screen Shots

A few sample screen shots illustrating PiConect configuration process and overall details are shown below:





Testing with an OPC Simulation server

PiConect provides the capability to test easily with any standard OPC simulation server. This capability is useful for testing and also for training purposes.

Technical Help and Support

For technical help and additional details on PiConect, please contact PiControl Solutions Company via email at info@picontrolsolutions.com.