

Delphin DataService OPC Enables Bi-Directional Data Exchange

Delphin Measurement Systems

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The **Delphin DataService API** (application programming interface) provides users with the ability to communicate independently between **Delphin Message and Expert devices** and Delphin ProfiSignal software. The API, along with some programming knowledge, gives quick and easy help for tasks such as processing measurement data in ProfiSignal from non-in-house hardware and software, and also for the writing of in-house programs to access the Expert and Message hardware. [CAS DataLoggers](#) is Delphin's Master Distributor in North America—give our Applications Specialists a call at **(800) 956-4437**.



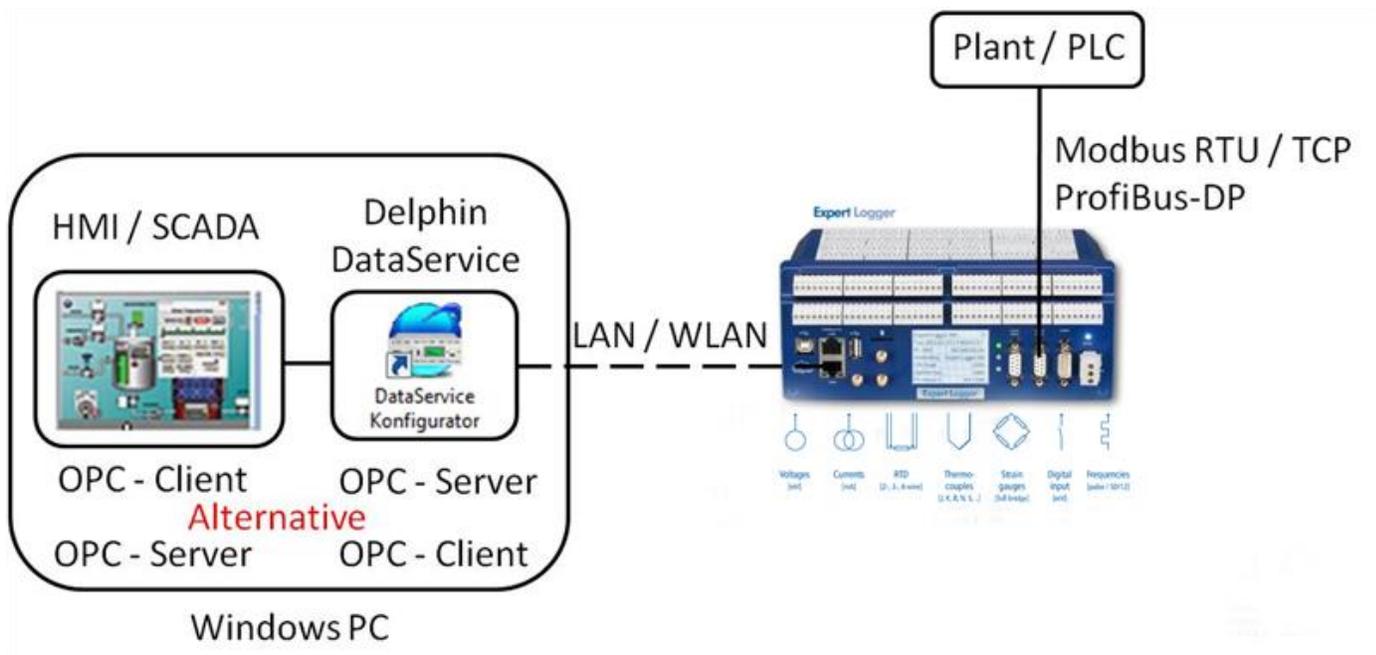
DataService OPC:

The 'DataService OPC' option enables bi-directional data exchange between Delphin's **DataService** and its [Message and Expert data loggers](#), as well as with third-party software. Any program that supports the OPC standard is able to communicate with the Delphin DataService.

The OPC option gives third-party programs Read access to the latest measurement data from device channels, and Write access to digital/analog outputs as well as markers (e.g. as setpoint values for controllers). Measurement data can also be sent from the OPC client software to the server, then saved in the DataService and displayed in ProfiSignal software.

The OPC interface is based on the OPC Foundation standard and supports DA (data access) functions in versions 1.0, 2.0, 3.0. Delphin's software team is already planning the use of the OPC UA standard.

The DataService OPC server can be installed on any local PC or network server (see illustration below). It requires a TCP/IP connection to the Expert and Message devices and gives access to the channels of the OPC client(s).



The ProfiSignal OPC software option is available as an extra, and gives you a high-performance OPC server/client that can provide all the channel data from the DataService Configurator as a separate channel.

We will be happy to advise you and provide you with a quote for the 'DataService OPC' (server or client).

Delphin Data Loggers:

[Delphin data loggers/data acquisition systems](#) solve a variety of measurement and control problems in industrial and laboratory applications. These devices feature different analog and digital input and output modules that can be used with a wide range of signal types including: voltage; 4-20 mA current; thermocouple; RTD; and resistance. They also offer powerful alarm and programming capabilities to allow the instruments to process measurements and initiate actions on their own.



Delphin systems can be used for local data acquisition and logging when connected to a PC; for remote unattended data collection connected the internet; or as a stand-alone device. Delphin products are used every day in the following ways:

- **Message devices** for industrial measurement data acquisition
- **ProfiSignal** for the automation of testing benches
- The **AMDT - module** for vibration monitoring and analysis
- Remote monitoring of plant and machinery using **ProfiSignal Go** software
- Operating DAQ and intelligent processing within **Message devices**
- Supplying **individual solutions** (mobile, control cabinets, 19-inch
- **Developmental services** (processing, user interfaces, databases)
- **Start-ups and training**

For further information on [Delphin Data Loggers](#), or to find the ideal solution for your application-specific needs, contact a **CAS Data Logger Applications Specialist** at **(800) 956-4437** or visit our website at www.DataLoggerInc.com.

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