



Matrikon® OPC Desktop Historian Datasheet

Easily and seamlessly log process data. Matrikon® OPC Desktop Historian helps optimize operations through analysis and reporting.

Unlocking the true value of your control automation data begins with your ability to capture and access it for future analysis, reporting, and informed decision making.

From engineers and automation professionals to manufacturers and service providers OPC Desktop Historian (ODH) serves as the tool of choice for versatile and reliable OPC data archiving.

Capable of handling data capture needs ranging from a few items to tens of thousands of data points per instance, OPC Desktop Historian is the right history tool for use 'in the field' and the shop-floor. Focused on easy setup, easy data capture, and secure local access - ODH can be used as a standalone historian or as a history buffer in larger, distributed store-and-forward history architectures.

The HUB and Spoke feature allows ODH to act as the "HUB" (central historian) or "Spoke" (remote buffer/historian) without external dependencies. With this feature, ODH can pull or push historical data from any historian directly via the OPC interface; no additional products required. It also has multi instance ability to configure multiple nodes of Hub and Spoke network.

Matrikon ODH is Risk Free

For those just getting started with data capture and or those looking to archive fifty items or fewer - Matrikon provides ODH for free, no strings attached. For those ready to take data capture to the next level - Matrikon offers reasonably priced packages for every job size.

Matrikon OPC Desktop Historian features include:

- Support for historical data input via an OPC HDA server (insert, replace, and insert/replace)
- String support.
- Easy, seamless data archiving. For operations optimization, analysis, reporting, and much more
- Control over the maximum load an OPC client can place on the historian.
- A Backup and Restore tool.
- Rolling Buffer Storage Engine (FF7R) for set and forget storage
- Long Term Storage (FF7) for permanent persistence.
- Tag Lifetime feature that enables tags that rarely change to be updated periodically and recorded to disk.
- File Collector that intelligently reads data from files and writes data to an HDA server. Supports simultaneous monitoring of multiple directories.

The Newest features include:

- Supports history data transfer between two different HDA servers using History Link feature as part of ODH.
- Support for configuring multiple instances for data archiving in order to share the load (multi instance).
- Support for configuring multiple transfers for history data transfer in order to share the load (multi instance).
- Installing Matrikon OPC Tunneller™ as an optional component.

The Matrikon OPC Desktop Historian is:

- A powerful historian for the price of an OPC HDA driver!
- Easily Configurable
- Easy to deploy
- OPC DA and OPC HDA Compliant

Use ODH as a stand-alone application with visualization tools of your choice or use it as a data capture component in a bigger solution.

Its scalability allows it to fit into every process control environment, large or small.

File Collector

- Intelligently reads data from files and writes data to an HDA server; supports monitoring multiple directories.
- Enables configuration of post processing actions for failed files (e.g. failed files can be moved to another directory or deleted after the processing attempt is complete).
- Result logging: enables the recording of a success or fail status of each attempt to parse files (read and understand files).
- Live File Management for Continuous Storage Mechanism enables older data files to be moved or deleted during runtime.
- Easily and seamlessly archive process data and use it to optimize operations through analysis and reporting.

Typical Applications within a High Speed Data Collection model:

- **Rolling Buffer Mode:** Loop performance analysis and tuning, short term historical monitoring, store and forward and more.
- **Continuous Storage Mode:** Long term process analysis, process tracking and more

Visualization Tools:

OPC Desktop Historian optionally comes with:

Easy Trender: a visualization tool that allows you to create dynamic, interactive graphical trends featuring real-time and historical plant information. Data from multiple OPC servers, easy to use value cursors, and many other professional trending functions.

Excel Reporter: an Excel plug-in that allows you to automatically access any OPC HDA or DA server directly from the familiar Excel environment you are used to.

Because it is based on an open connectivity standard, OPC Desktop Historian interfaces with any OPC-compliant visualization tool so you are free to use whatever data analysis tool that is best for your job.

Quick & Easy to Use:

OPC Desktop Historian installs quickly and easily. It is ideal for those who need to archive process data but don't have the time, resources and money required to implement an enterprise process historian. Click-Select-Collect!

Included with Matrikon OPC Desktop Historian:

- **Easy Trender (Demo Version):** A powerful analysis tool that is easy to use, yet comprehensive enough for the most sophisticated users.
- Provides user friendly interface from which to trend historical and real-time data.
- Supports multiple trends simultaneously on their own axis.
- **Matrikon Analytics Excel Reporter (Demo Version):** Using Microsoft Excel for reporting and analysis, access all real-time and historical data from any OPC server.
- **OPC Server for Performance Monitor (Demo Version):** This OPC server gives windows performance information it is typically part of any IT Health monitor solution. You can measure any process (like an OPC Server) for memory performance, CPU usage, started or stopped etc.
- **Matrikon OPC Tunneller™ (Demo Version)**

Supported OS:

- Windows 7-32b
- Windows 7-64b
- Windows 10
- Windows 2008 Server R2 64b
- Windows 2012
- Windows 2016

Supported OPC Specifications:

- OPC DA (OPC Data Access) 2.05
- OPC DA (OPC Data Access) 3.0
- OPC HDA (OPC Historical Data Access) 1.2
- OPC Security

More Information

To learn more about Matrikon, visit www.MatrikonOPC.com or contact your Matrikon account manager.

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