



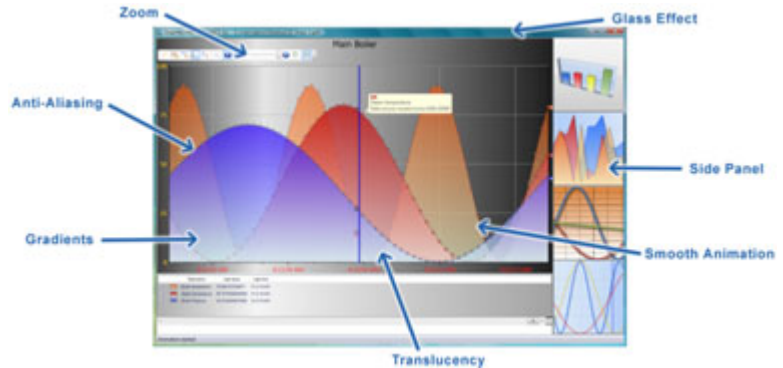
Hyper Historian™

Product Brief for Hyper Historian V10.5
May 2010



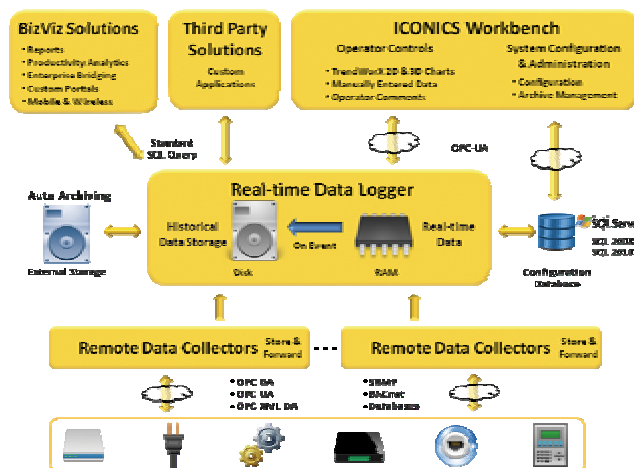
Hyper-Historian Overview

Hyper Historian utilizes a high compression, advanced, Swinging Door algorithm and takes advantage of 64-bit hardware and software architectures, allowing it to access more CPU power and memory than traditional 32-bit-based historians and providing highest performance possible.



Key Features Include

- OPC-UA, -DA and -HDA Compliance
- Industry-standard Data Connectivity (SNMP, BACnet)
- Optimistic Concurrent Multi-user Configuration
- Web-based Configuration and Administration
- Unattended Data Archiving and Backup
- 2D and 3D Real-time Charts
- Real-time and Historical Data Replay
- Multiple Remote Data Collectors
- Store and Forward Technology
- Integration with ICONICS BizViz™ Solutions
- Reporting/Data Bridging/Dashboards/Portals
- Alarm Management
- Diagnostic and Data Tracing with .NET Event Logs
- Integrated Redundancy

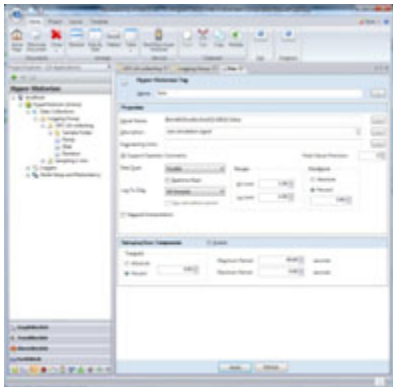


Hyper Historian™

Hyper Historian uses Swinging Door data compression for high speed data collection of up to 100,000 data events per second on reference hardware for real-time, enterprise-wide information. Hyper Historian also has robust, built-in software redundancy for mission critical applications that require uninterrupted access and collection of data. Automatic Store and Forward technology ensures data integrity in the event of system upset or communications disruption.

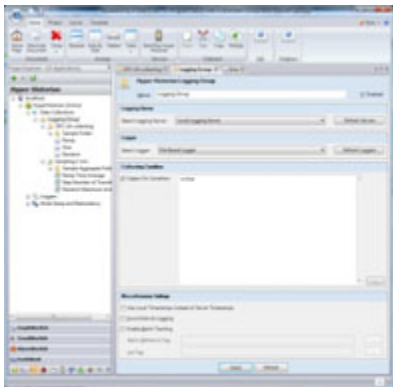


Hyper Historian uses advanced data integration, providing unsurpassed connectivity to any device via OPC-DA, OPC-UA, OPC-HDA, OPC XML, SNMP, BACnet or database values. Users can easily collect information from multiple plants, facilities or throughout the enterprise. Data sources such as PLCs, I/O devices, HMI applications and network devices can be collected and stored for reporting and analysis.



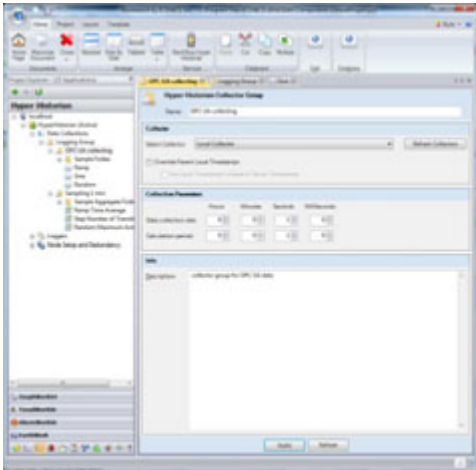
Hyper Historian includes an industry standard SQL Query interface, enabling tight integration with any SQL-compatible database such as Microsoft SQL Server 2005/2008, MySQL, Oracle and many others. Hyper Historian also has unique automation archiving features that allow for routine or triggered scheduling of data archives, freeing up disk space and backing up files for long term storage and/or retrieval.

The Workbench inside Hyper Historian features a thin client and optimistic concurrent design, acting as the central configuration environment and operator interface. The runtime operational interface allows for complete visualization of real-time and historical data with 2D and 3D charts. The Workbench's advanced configuration console performs complete service management and has integrated layout/project management and remote pack-and-go deployment capabilities.



From the Workbench, operators can add fully customizable 3D trends and charts. Users can choose from a wide library of 3D charts such as X vs. Y, logarithmic, bar graph, strip chart recorder, circular and more, to build clear and accurate representations of real-time and historical data. Intuitive ribbons and galleries help to customize trends by adding color, gradients, smooth animation, translucency/glass effects, anti-aliasing and more, making data analysis clear and straightforward. Users can drag and drop sources during runtime and view multiple trends simultaneously.





Plotting both real-time and historical data in the same trend plot allows last week's data to be compared with current information. Users can trend production numbers against a target, plot batch data against a known recipe curve and more. Data can also be viewed in tabular formats with the ability to enter operator comments, as well as manage lab data and audit trails in accordance with 21 CFR Part 11 policies.

Hyper Historian can also connect with the entire ICONICS BizViz Manufacturing Intelligence/Business Visualization suite, to create best-in-class reporting, analysis, portal or data bridging applications.



Operating Systems Supported

Hyper Historian presently supports the following systems:

- Microsoft Windows 7 - 64-bit
- Microsoft Windows Server 2008 - 64-bit
- Microsoft Windows Vista - 64-bit
- Microsoft Windows Server 2003 - 64-bit
- Microsoft Windows XP - 64-bit

System Requirements

Hyper Historian requires the following hardware and software components. System requirements may vary based on application size, system performance requirements and loading factors.

Minimum Hardware and Operating System Requirements:

| Component | Requirement |
|-------------------------------|--|
| CPU | 2.4 GHz Single Core 64-bit processor (AMD Athlon 64, AMD Opteron, Intel Pentium 4 EM64T) 1.6 GHz Dual/Multi Core 64-bit processor (AMD Athlon 64 X2, Intel Pentium D, Intel Core 2 Duo, Intel Xeon) |
| Memory¹ | 2 GB of memory required (6 GB recommended) |
| Hard disk | At least 1 GB of free hard disk space required |
| Drive | 8X speed CD-ROM/DVD-ROM |
| Display | <i>Recommended:</i> Onboard Video Memory (256 Megs) <i>Display Resolution Minimum:</i> 1024x768, 16bit color <i>Recommended:</i> 1280x1024 32bit color (or better), DirectX 9 or 10 Video Card or better |
| Operating System | Microsoft Windows 7 x64, Windows Vista SP2 x64, Windows Server 2003 x64, Windows Server 2008 x64, Windows Server 2008 R2 x64 |
| Web Server | Microsoft Internet Information Services (IIS) 7.0 |
| SQL Server² | Microsoft SQL Server 2005 Workgroup/Standard/Enterprise Edition Microsoft SQL Server 2005 Express Edition with Microsoft SQL Server Management |



ICONICS Product Brief
Copyright 2010 ICONICS, Inc.
All Rights Reserved.

Page 5 of 8
May 2010
ICO-PBB-XXX



ICONICS Product Brief
Copyright 2010 ICONICS, Inc.
All Rights Reserved.

Page 5 of 8
May 2010
ICO-PBB-014

| | |
|--|-----------------|
| | Studio Express. |
|--|-----------------|

Note 1: It is recommended that the system page file size be a minimum of four (4) times the size of installed (physical) RAM.

Note 2: The user also has the option of designating a remote SQL Server, in which case the user will not be forced to install SQL Server locally.



ICONICS Product Brief
Copyright 2010 ICONICS, Inc.
All Rights Reserved.

Page 6 of 8
May 2010
ICO-PBB-XXX



ICONICS Product Brief
Copyright 2010 ICONICS, Inc.
All Rights Reserved.

Page 6 of 8
May 2010
ICO-PBB-014



Visualize Your Enterprise™

VISIT US AT WWW.ICONICS.COM

ICONICS World Headquarters

100 Foxborough Blvd.
Foxborough, MA 02035
Tel: 508 543 8600
Fax: 508 543 1503
Email: info@iconics.com

ICONICS Europe

Czech Republic

Tel: 420 37 718 3420
Fax: 420 37 718 3424
Email: czech@iconics.com

France

Tel: 33 45 019 1180
Fax: 33 45 001 0870
Email: france@iconics.com

Germany

Tel: 49 2241 16 508 0
Fax: 49 2241 16 508 12
Email: germany@iconics.com

Italy

Tel: 39 010 46 0626
Fax: 39 010 65 22 187
Email: italy@iconics.com

Netherlands

Tel: 31 252 228 588
Fax: 31 252 226 240
Email: holland@iconics.com

ICONICS Asia

Australia

Tel: 61 297 273 411
Fax: 61 297 273 422
Email: australia@iconics.com

China

Tel: 86 130 684 86069
Email: china@iconics.com

India

Tel: 91 22 67291029
Fax: 91 22 67291001
Email: india@iconics.com

ICONICS UK

United Kingdom

Tel: 44 1384 246 700
Fax: 44 1384 246 701
Email: info@iconics-uk.com

WHY CHOOSE ICONICS?

ICONICS, Inc. is a leading provider of award-winning enterprise Manufacturing intelligence and automation software solutions and implementation services. *ICONICS* solutions deliver real-time visibility into all enterprise operations and systems, helping companies to be more profitable, more agile and more efficient. *ICONICS* products have delivered value within over 250,000 installations worldwide and have been chosen by more than 70% of the Fortune 1000.

