Ignition Historian Modules

Product Data Sheet

Build Flexible, Fast, and Powerful Historical Data Solutions

Unlock flexible and powerful solutions for storing, analyzing, and managing time-series data with Ignition's Historian Modules. Featuring multiple built-in data historians, easy connectivity to external SQL databases, open technology, and more, this module bundle provides a versatile and universal historian solution for nearly any application.

Two Modules – One Powerful Solution

The Industrial Historian Solution Suite consists of two modules that act as one powerful solution. Together, these modules provide the power and flexibility to meet virtually any historical data need, and a foundation for future growth.

Historian Core Module

Includes the built-in Core Historian, the Internal Historian (Legacy), and a library of historian tools.
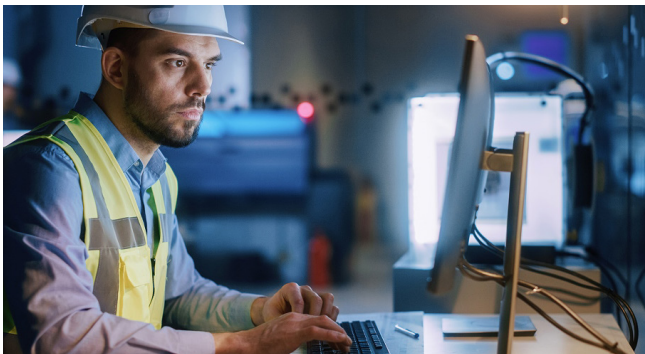
SQL Historian Module

Easily leverage external SQL databases for your historian solutions.

Get Going Fast With Zero Configuration

Hit the ground running with the Core Historian, an out-of-the-box industrial historian that requires no configuration — just start using it in seconds. Backed by QuestDB, this no-maintenance historian offers native data aggregation and stores and queries data up to 10 times faster than Ignition's previous internal tag history provider.

Easily Leverage External SQL Databases

Combine Ignition with external SQL databases to create a high-performance historian using the SQL Historian Module. This powerful historian is ideal for large-scale storage and automatically supports compression, partitioning, interpolation, and aggregation for any SQL database.

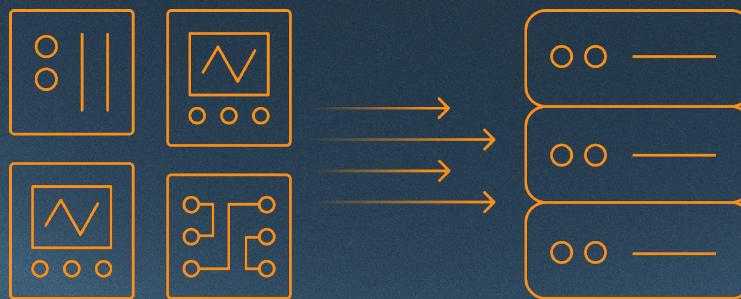Ignition server — SQL Database

SQL Historian

Effortlessly Generate Real-Time Charts and Trends

Combine with the Perspective Module to pull data into charts and graphs for powerful historical data visualization. You can use Perspective's Power Charts to find and drag tags onto the screen to see history, and easily generate dynamic charts and trends with Ignition Reporting.

Do More With a Library of Tools

Create solutions with rich data modeling, metadata storage, and the ability to leverage data sources (like CSV files and database tables) as read-only historians, using the suite's array of built-in tools.

Get Data Resilience You Can Count On

Keep your solutions secure with Ignition's robust and reliable store-and-forward engine — it has fast serialization/deserialization to boost speed, is easily configurable, has strong security, and is bandwidth friendly, backed by Google's Protobuf.

Integrate Seamlessly With Existing Systems

Add a dependable historian solution into an existing system easily with Ignition's open, platform-independent technology.

Prepare Your Solutions for the Future

Set your history solutions up to work seamlessly with evolving needs. The future-ready foundation provided by these modules will enable you to add any of Ignition's forthcoming historian types to your solutions, so you can easily adapt to new requirements.

Module Specs and Requirements

Requirements	Supported Operating Systems	Supported Databases
Ignition 8.3	Windows Server 2016/2019/2022/2025	Microsoft® SQL Server
Dual-core processor	Windows 10/11	Oracle
4 GB RAM	macOS (13+)	MySQL
10 GB free HD space	Linux (support for popular distributions, tested with Ubuntu 22.04 and 24.04)	MariaDB
(Requirements vary by usage)		PostgreSQL
		Any database with a JDBC driver