

Products



Supported Operating Systems (Gateway)

Windows Server 2008/2012
Windows Vista, 7 and 8
Ubuntu Linux 12.04 or later
Other Java SE-enabled OSes2

Supported Operating Systems (Client/Designer)

Windows Server 2008/2012
Windows XP, Vista, 7 and 8
Ubuntu Linux 12.04 or later
Other Java SE-enabled OSes2

Requirements

Java SE 8 (server)
Java SE 6/7 (client)
1024 MB RAM
1GB free HD space

Supported Databases

Microsoft® SQL Server
MySQL
Oracle
PostgreSQL

*Ignition is compatible with any Java-enabled operating system. Full support is only offered for listed operating systems.

Ignition by Inductive Automation®

Ignition by Inductive Automation® is an industrial application server, used to create systems that cover the full spectrum between HMI, SCADA and MES. Its unique architecture enables rapid project development and deployment.

Ignition is a modular software platform system offering a high degree of customization. Modules can be added or upgraded on the fly for minimal downtime. Depending on which modules are installed, Ignition can perform a variety of tasks.

HMI / SCADA Software Modules

Ignition SQL Bridge Module

Bridges the gap between OPC data and SQL databases. Transaction groups can be configured to achieve a virtually limitless number of tasks, such as data logging, PLC synchronization, downtime tracking, recipe management, and more. A highly efficient SQL-based tag historian makes storing tag history a snap.

Ignition Vision Module

Launches powerful Ignition Vision Clients anywhere on the network. Clients are configured through the drag-and-drop Ignition Designer. Create everything from basic status-and-control screens to interactive charts and tables. Instant change deployment and automatic multi-screen resolution support ensure that you spend time on creative tasks, not tedious ones. Includes the Symbol Factory Module with nearly 4,000 industrial symbols, which makes it easy to create great-looking projects.



Ignition Reporting Module

Easily create dynamic, database-driven PDF reports with pixel-perfect layout. Import existing PDF-based forms and overlay dynamic data on top to achieve a paperless factory.

Ignition Mobile Module

Get mobile access to your control system via an iPhone, iPad, Android or other smartphones and tablet devices. The Ignition Mobile Module gives you instant access to any HMI / SCADA project created with the Ignition Vision Module.

Ignition OPC-UA Module

An OPC-UA server with an open, pluggable driver system. Written in 100% pure Java, this module is completely cross-platform, delivering the full potential of OPC-UA. Drivers for Allen-Bradley, Siemens, and Modbus protocols are included, or use secure OPC-UA connections to communicate with third-party OPC servers to connect to virtually any device.

Ignition OPC-COM Module

Connect to classic COM based OPC servers. Supports OPC-DA 2 and 3. Works with 32-bit and 64-bit Windows.®

Alarm Notification Module

Enables you to configure the logic for delivery of an alarm notifications, manage alarm notification for groups of users, and send notifications via email. Notifications can be easily be acknowledged by the recipient via email. You'll have greater control of what happens between when an alarm or alert goes active and when it is sent out to personnel, and of who gets alarm notifications and when.

Sequential Function Charts (SFC) Module

Streamline the creation and organization of robust logic systems with this powerful visual editor and script execution engine. The SFC Module allows you to write robust logic more easily.

Web Browser Module

Allows you to easily embed a web browser into your Ignition project.

MES Software Modules

Ignition MES modules easily connect information from the plant floor to the corporate level, quickly delivering the specific data that management needs.

Ignition OEE Downtime Module

Extends Ignition to monitor overall equipment effectiveness (OEE) and downtime, and manages work orders, product codes, and production schedules. In combination with the Ignition SQL Bridge, Vision and Reporting modules, the total functionality includes the OEE, downtime and schedule engine; configuration software; user interface screens; advanced analysis tools; and reports.

Ignition OEE Downtime Enterprise Module

Analyze and report across multiple physical production sites from anywhere on your network. Compare efficiency and downtime by production line, operator, user-defined values and more. Requirements: standard or limited license for the OEE Downtime Module, and the SQL Bridge, Vision and Reporting modules.

Ignition SPC Module

The SPC Module extends Ignition with powerful real-time SPC functionality for one physical production facility. Implement a full-featured SPC system including unattended out-of-control evaluation, sample scheduling, control charts and more. Includes functionality for collecting sample data from manual entry or automatically from PLC devices, OPC-connected devices, lab instruments, RS232 devices, USB devices, data files, web services and external databases.

Recipe / Changeover Module

Extend your Ignition software platform to expertly build, manage and monitor recipes. This powerful module is ideal for quickly and accurately changing machine, process or system recipes. This module greatly reduces the time usually required to manage production recipes, and is a must-have in any industry that produces different products or runs machines in different modes.

Track & Trace Module

Provides the capability to look up where any product has been in its manufacturing process, and where it is now. This paperless and fully integrated solution allows manufacturers to track products from the raw materials to the finished state, access Genealogy data, and set up a centralized operator interface for all MES information.

Utility Modules

Ignition Utility modules easily connect information from the plant floor to the corporate level, quickly delivering the specific data that management needs.

Instrument Interface Module

The Instrument Interface Module empowers Ignition software to easily interface with instruments. Collect data from instruments such as gauges, analyzers, barcode scanners, etc., and make that information available to your entire Ignition HMI, SCADA or MES system.