Edge Software

Edge Computing, Data Collection, and HMI Software for the Network’s Edge

Capturing, processing, and visualizing critical data at the remote edge of the network can be difficult and expensive. Ignition Edge by Inductive Automation® is a line of lightweight, lean, low-cost Ignition software solutions designed specifically for devices used in the field and OEM devices at the edge of the network. With Ignition Edge, edge computing is easier and more affordable than ever, so you can extend your data collection, visualization, and system management all the way to the edge of your network.
Works on Any Device

Ignition Edge solutions work on a wide variety of operating systems such as Linux, Windows (any version), macOS, and more. Ignition Edge comes pre-installed on a range of edge-of-network devices that are IIoT-ready right out of the box, and Ignition Edge can also be installed on virtually any industrial device. With support for ARM processors, Ignition Edge can run on devices like a Raspberry Pi or the latest generation of edge-of-network devices.

Ignition Edge Solutions:

- **Ignition Edge IIoT**: Publish field-device data through MQTT
- **Ignition Edge Panel**: Create local HMI for field devices
- **Ignition Edge Compute**: Add true edge computing to your network
- **Ignition Edge Sync Services**: Synchronize data from the edge of the network
- **Ignition Edge EAM**: Combine with other Edge solutions for central management
Ignition Edge: Built on a Solid Foundation

All Ignition Edge solutions are built on a base of powerful features that are ideal for edge computing. Shared features include: OPC UA Module + Drivers, One-Week Data Buffer, Two Device Connections, One-way email notification, Gateway Network connections, One Project, and One Tag Provider.

Access Data from PLCs & OPC UA Servers

For easy PLC connections, Ignition Edge solutions come with unlimited tags through an unlimited number of OPC UA connections and up to two Ignition native driver connections. Modbus RTU and TCP, Allen-Bradley, Siemens, DNP3, Omron, and simple TCP and UDP drivers are all included. Ignition Edge IIoT will also include drivers for Opto22.

Poll Data at the Source

Ignition Edge makes edge computing easy. Install Edge right onto, or next to, devices on the plant floor or in the field so you can process data as close to the source as possible. This allows you to make device data the one source of truth, improving data reliability and reducing latency.
Works Seamlessly with Ignition

Ignition Edge is designed to be installed on devices at the edge of the network. The Ignition platform is designed to work on central servers and to be deployed to multiple clients. Using Ignition and Ignition Edge together, you can build scalable and affordable enterprise-wide systems.

Ignition Edge Solutions: Mix and Match

Ignition Edge has standalone solutions for edge computing, remote HMI, and MQTT data transmission as well as solutions to easily extend large-scale enterprise architectures. With five powerful Ignition Edge solutions to choose from, you can use any one of them on a single device, or mix and match them to create powerful solutions for your specific needs.

Ignition Edge Onboard

Ignition Edge is powerful, MQTT-enabled, and designed specifically for use in industrial devices. That’s why a growing number of OEMs are installing and licensing Ignition Edge on their products as part of the Ignition Onboard program.