IOBridge

Key Solutions for Equipment Automation

The IOBridge series has been a trusted solution for equipment automation and integration for over 20 years, delivering seamless communication and message transmission with an improved user-friendly API.

BridgeX, a SECS communication driver, ensures reliable equipment connectivity with enhanced performance and a modern user experience. BridgeP simplifies and standardizes various PLC communications, making equipment control and integration more flexible and efficient.



Protocol for automating manufacturing equipment communications

Field-oriented Optimized service



What is BridgeP?

Bridge**P** serves as an Equipment Field Network Interface, allowing seamless communication with the equipment's fieldbus. It supports efficient status monitoring and enables automated control for enhanced performance.

Over 30 years of expertise in factory automation system operations

Data analysis services crafted by experienced field professionals

Industry

Industrial Automation



- A Leading Provider of Total Factory Automation Solutions
- Delivering production automation services across diverse industries
- Offering a wide range of solutions and products for domestic and international markets
- Providing specialized solutions and products for the display, semiconductor, and general manufacturing industries

Enjoy!

Good UX Validation History Management Spec Management



Ease of application

- Instant communication enabled through
- XML-based Map address configuration
- Effortless Map address-to-XML conversion
- using dedicated tools

Customizable read intervals for different data groups

Multi-block read/write with support for continuous transactions

Scalability/Flexibility

- Simultaneous communication with multiple PLCs and field networks
- Data branching for multiple host programs
- · Modular design for the easy addition of
- required drivers
 Compatible with Windows and Linux
 platforms

Built-in communication testing tools

- I/O Signal (BIT) read/write monitoring
- I/O Data (WORD) read/write monitoring

Product Configuration

Development Environment

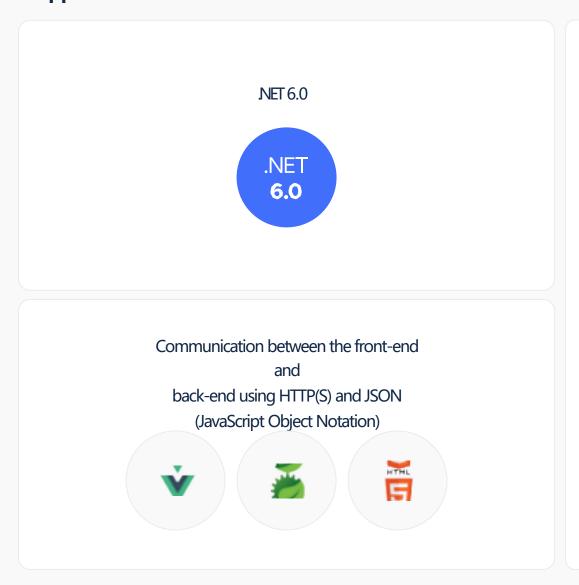
Web UI Framework

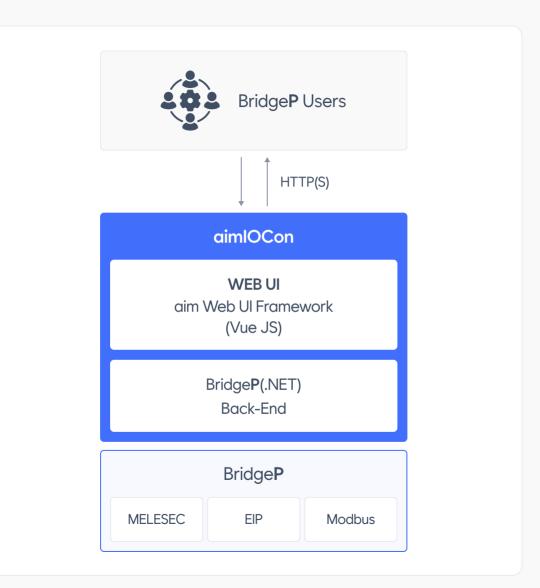
Vue JS(JavaScript) UI Framework

Spring Tool Suite, Maven

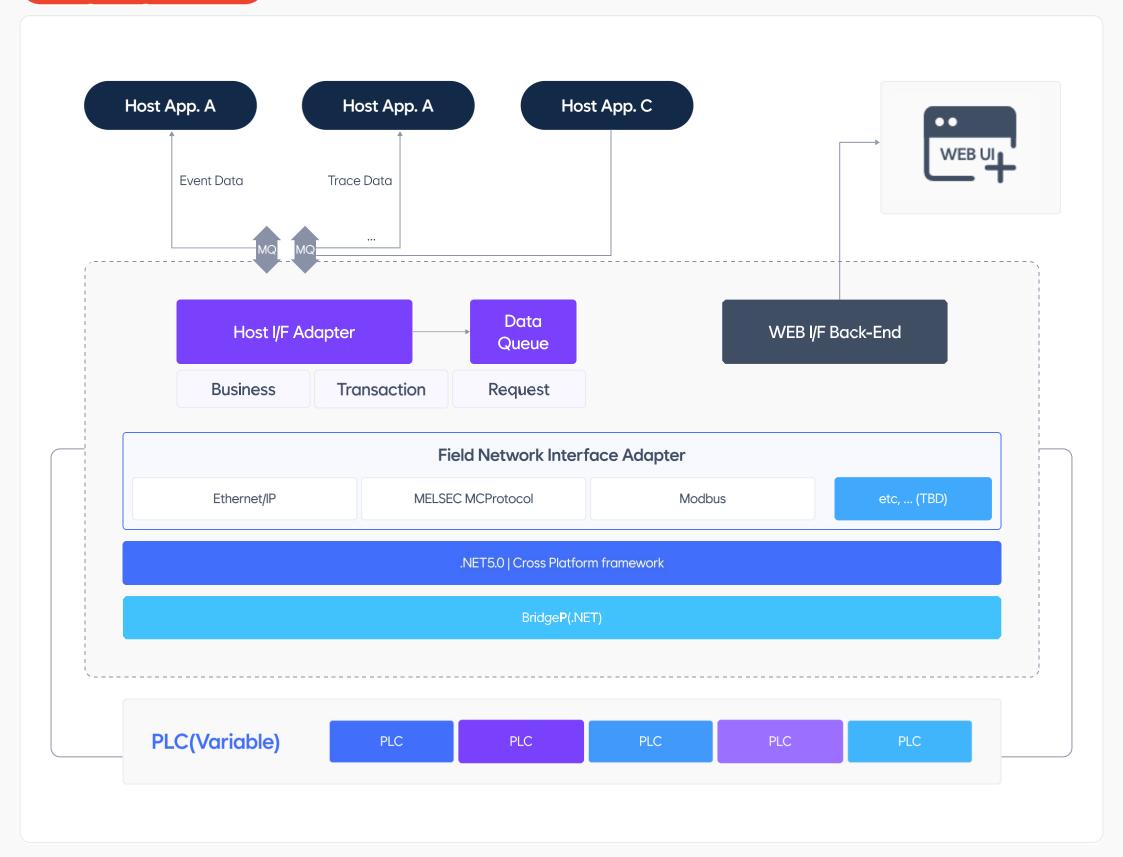
Comply with
Html 5 standard + CSS3

Application Framework



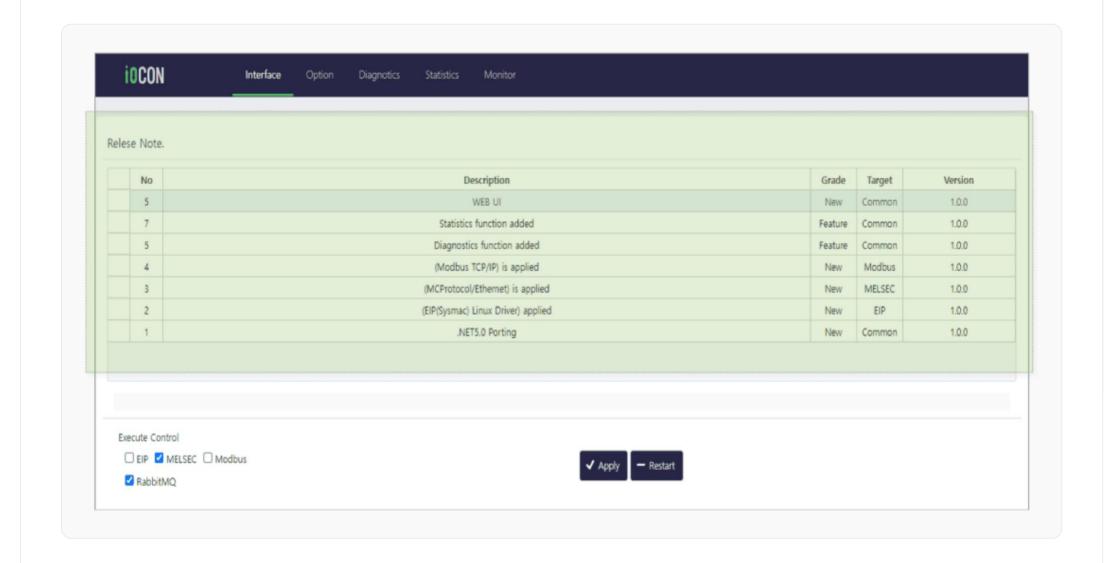


Configuration Diagram

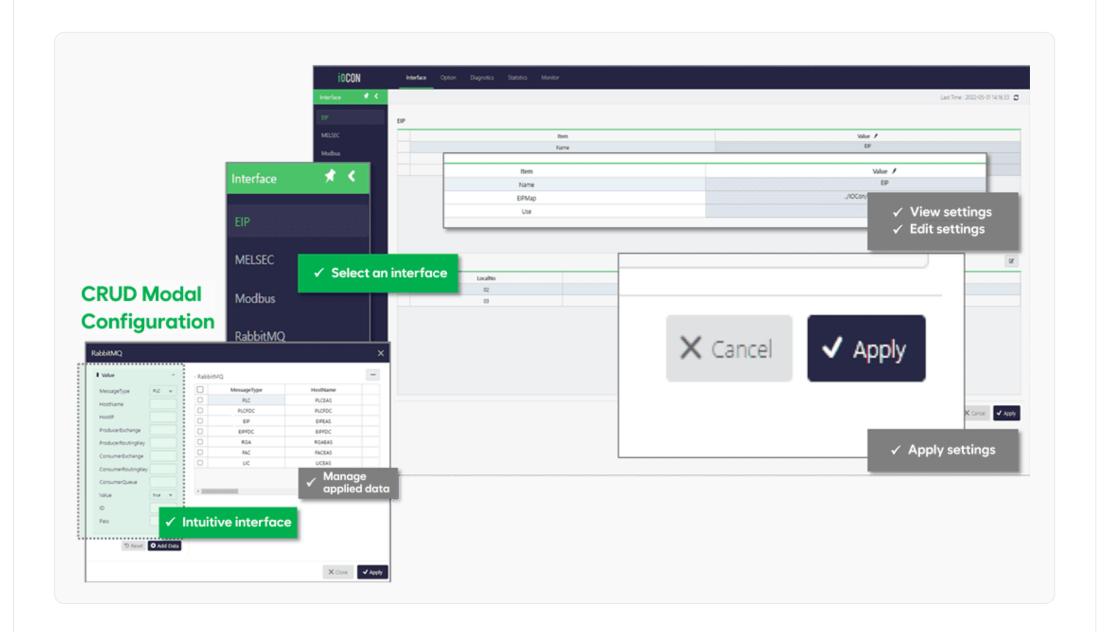


Field-oriented Optimized service

01 Deployment and history management

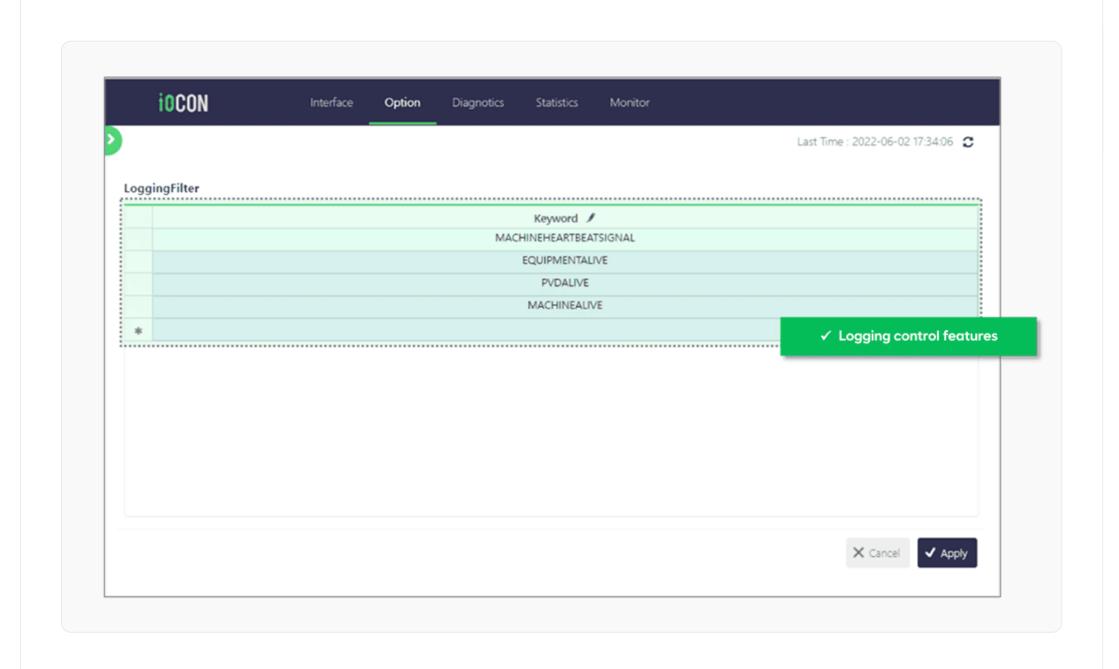


Easy-to-configure connection settings

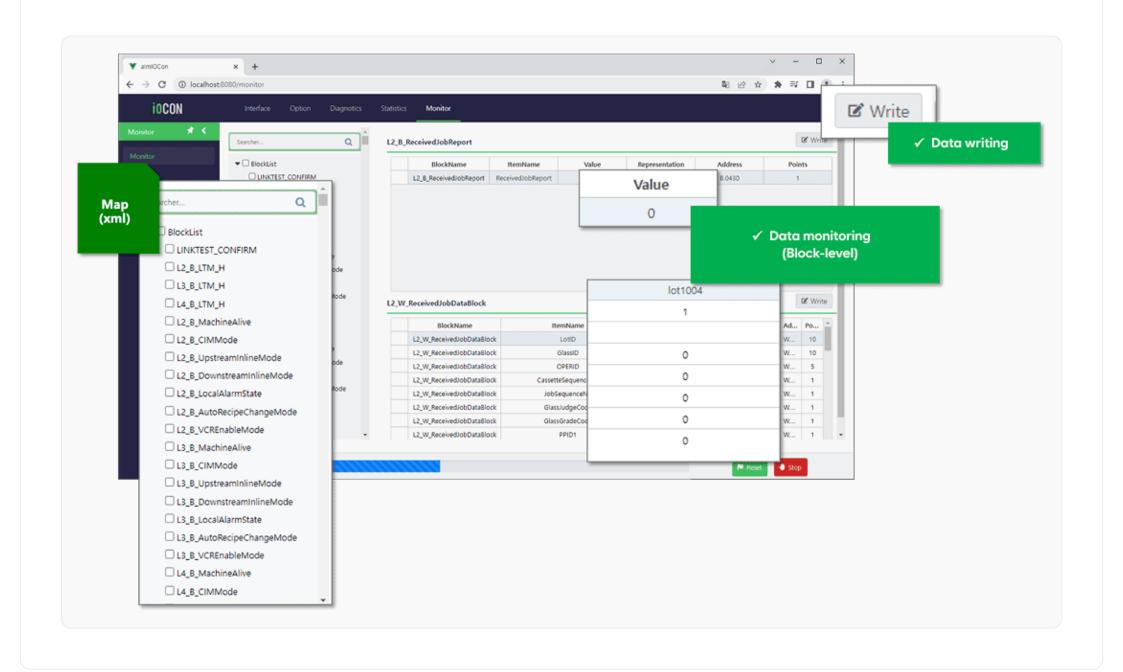


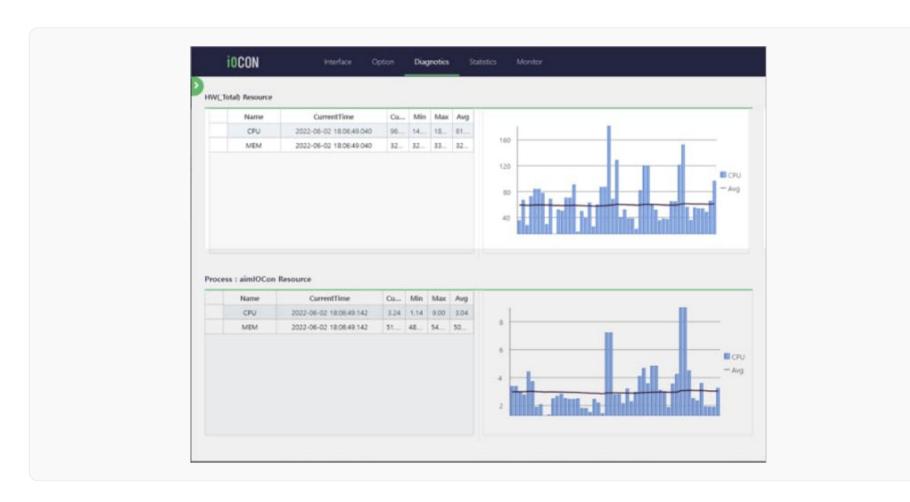
03

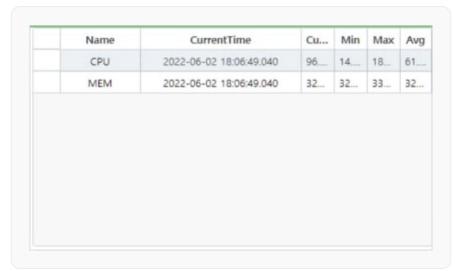
Real-time option adjustments tailored to different operating environments

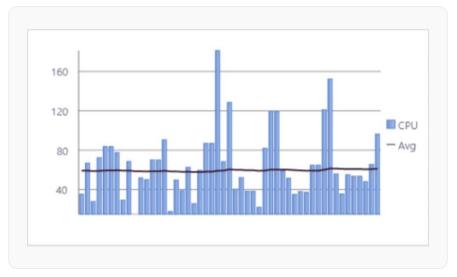


04 Block-level monitoring based on address mapping, ideal for testing during setup









Grid

- Data updated every second
- Current: Current value
- Min, Max, Avg: Statistics for the last 30 minutes

Graph

- Data from last 30 minutes
- . Column: Current
- Line = Avg

Support for operational checks and analysis to pinpoint areas for communication improvement

