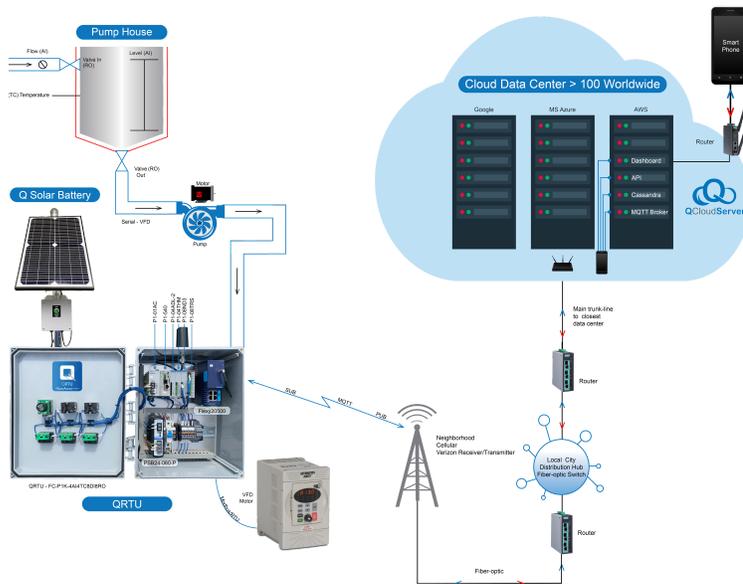


# QCS IoT - Dashboard



- MQTT Pub / Sub
- FREE Development Software
- Create Dashboards easily
- Real-Time Monitoring
- Real-Time Control
- Real-Time Alarming email/text
- CSV Data Export
- LAN / WiFi / Cellular
- Web browser or Smartphone
- Monthly Training

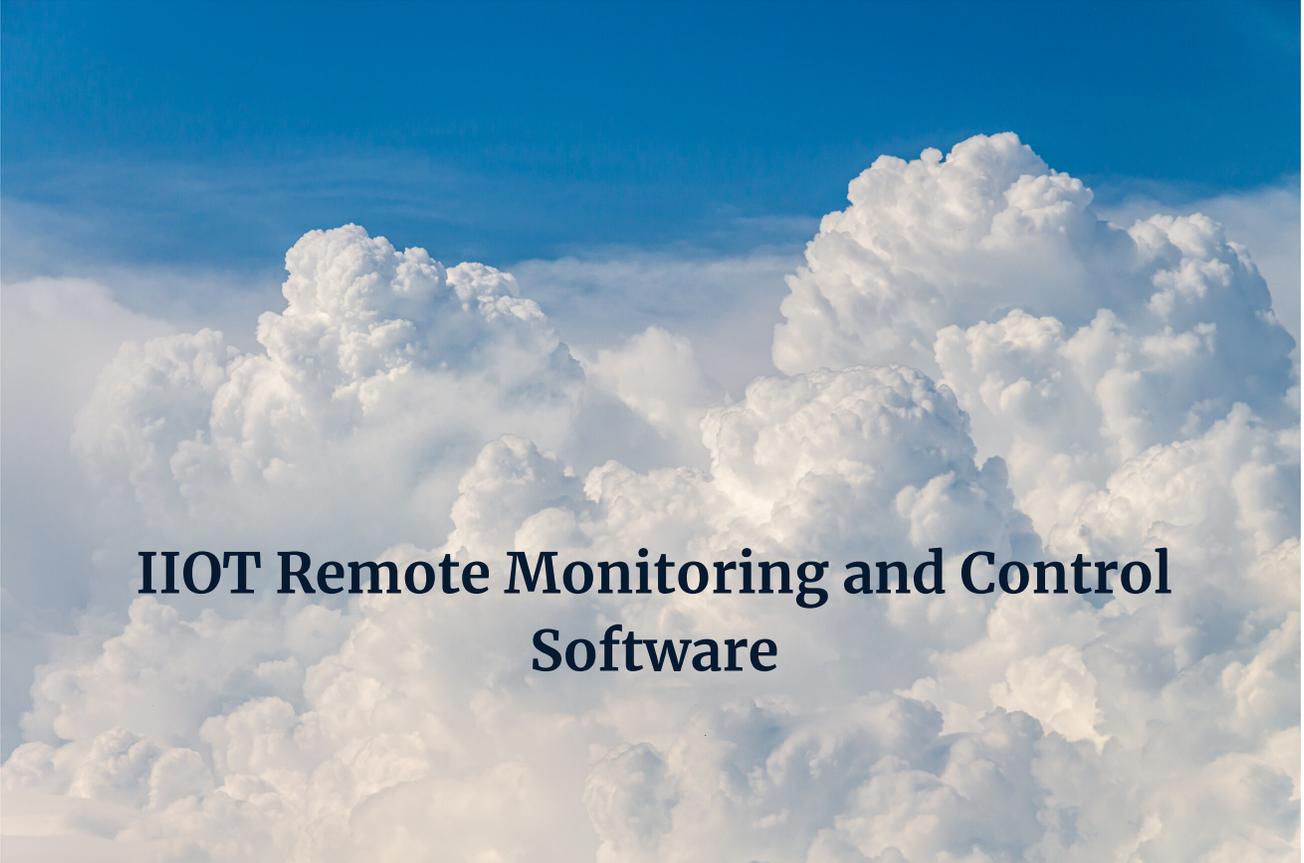
Starting at \$19.95 per month!

714.854.0800 - [www.QuantumAutomation.com](http://www.QuantumAutomation.com)



# QCloudServer





# IIOT Remote Monitoring and Control Software

The QCloud Serves up the vital data your company needs to effectively analyze and manage industrial machine(s) or process(es) to your web browser or smart phone providing instant information so you can react quickly.

The data is logged on our servers residing in the Amazon Web Service rack of computers backed up by multiple data centers globally. Export your data to Excel to Analyze how your company can increase productivity or improve quality.

Additionally, the Q Cloud Server, from your smart phone or web browser and proper password authorization, can change presets for Timers, Counters, Temperature, Pressure, Level, Flow, adjust VFD speeds, and other analog points for immediate response. It can even turn on/off motors and lights, or open/close valves!

# QCloudServer (QCS) IoT Software

## Hardware Costs

(Choose your own hardware with MQTT or we offer many options)

- PLC w/MQTT + Programming
- HMI w/MQTT + Programming
- Edge Gateway w/MQTT + Configuration
- Edge Gateway w/MQTT & VPN + Configuration

## Dashboard Setup Costs

- The QCloudServer Development Software with Standard Built-in Dashboards is FREE
- Upon Completion of required training (\$2500/person), a development SW key will be issued
- A minimum of 1 person from each company must go to a 2-day training class (offered monthly)

## Monthly Subscription Fee

- \$19.95 for up to 8 data points
- \$29.95 from 9-32 data points
- \$39.95 from 33 to 64 data points
- >64 data points – RFQ

## Quantum Automation provides with the Monthly Subscription Fee:

- Original Development of the QCloudServer Software and all Testing and Setup of Servers at AWS
- Maintenance of Servers at Amazon (AWS) Cloud and version level control of MQTT approved devices
- Revision Level Upgrades and Software Maintenance
- Technical Support – On-Line Videos, Manuals, FAQs, Phone Support  
8a-5p -M-F PST

## **Quantum Automation provides (for an additional fee)**

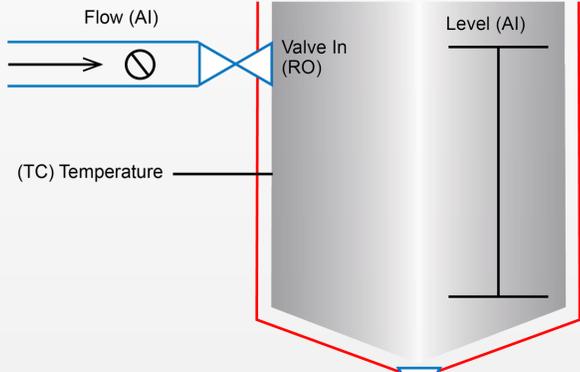
- Custom IT modules or Custom IoT product integration of MQTT to publish or subscribe correctly
- Custom Integration of Foggy Computing and Mesh Networking
- Custom Python or C++ Programming for Smart Sensors or Gateways
- Custom Dashboards – for example, a special P&ID or Machine Graphics page
- Programming of your PLC or Configuration of your Edge Gateway device
- Provide CAD drawing for your Control Panels, Schematics, and Networks
- Build UL508a panels and or build large quantities of panels per ISO-9001 Quality Control Standards
- We can manage your cellular plans, provide O&M manuals, setup a Google Share with all information
- We also sell the individual components: PLCs, HMIs, Edge Gateways, Antennas, Power Supplies, etc.
- We also manufacture Off-Grid Power Solutions using Lithium Ion Batteries with or without Solar Panels.

## **White Label Agreement**

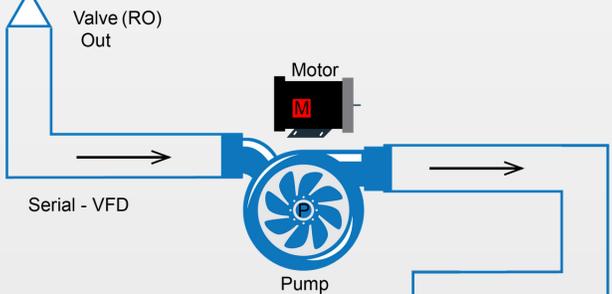
\$25,000 annually – for OEMs who want to badge the software under their own name or label and collect the monthly subscription fees for themselves or choose to include the subscription fee in the cost of their product. The End User may want to White Label the software if their usage level is > \$25,000/year in subscription fees! A separate server will be setup on our account (which we will control and manage the backend) in AWS or Azure (your choice) for that White Label Company. Size/Speed Example – Each Server can handle a total of 1000 devices with 64 datapoints or tags per device. We provide a rate of 64,000 samples/second!!

Note that for each year, a 2-day training class for up to 5 people is included.

# Pump House



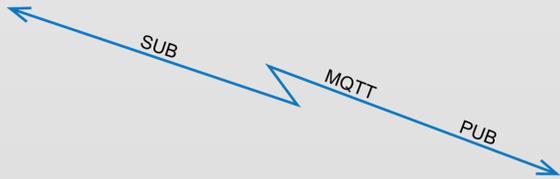
# Q Solar Battery



QRTU - FC-P1K-4A14TC8DI8RO

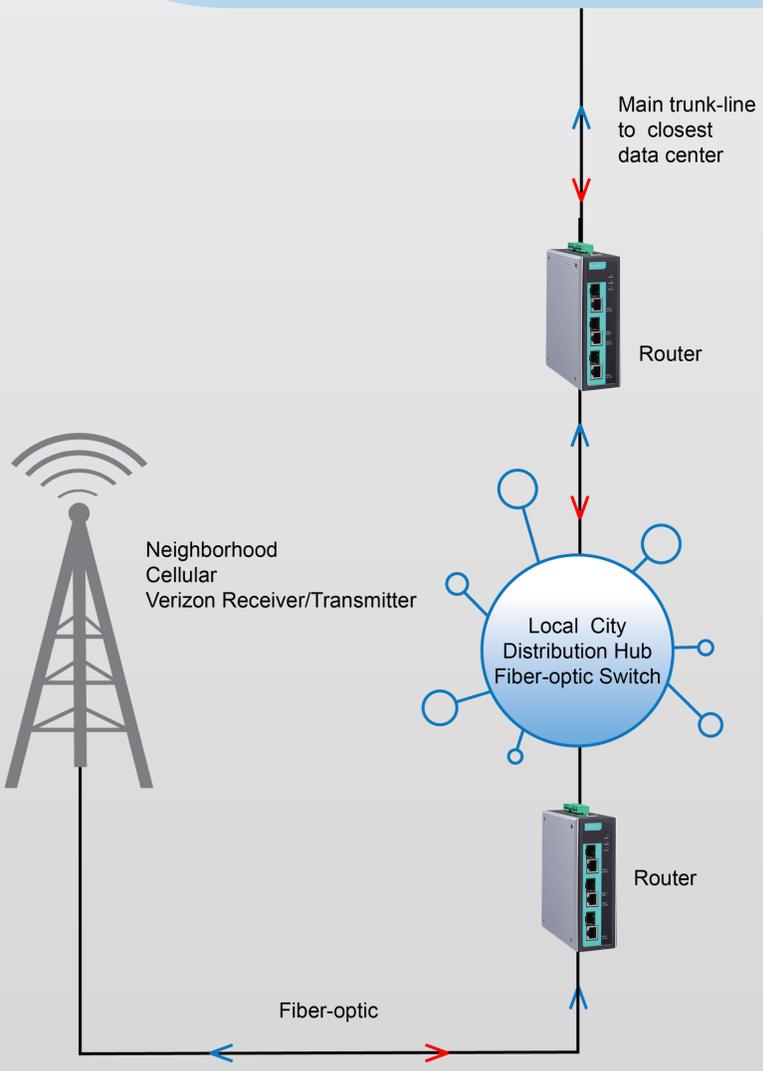
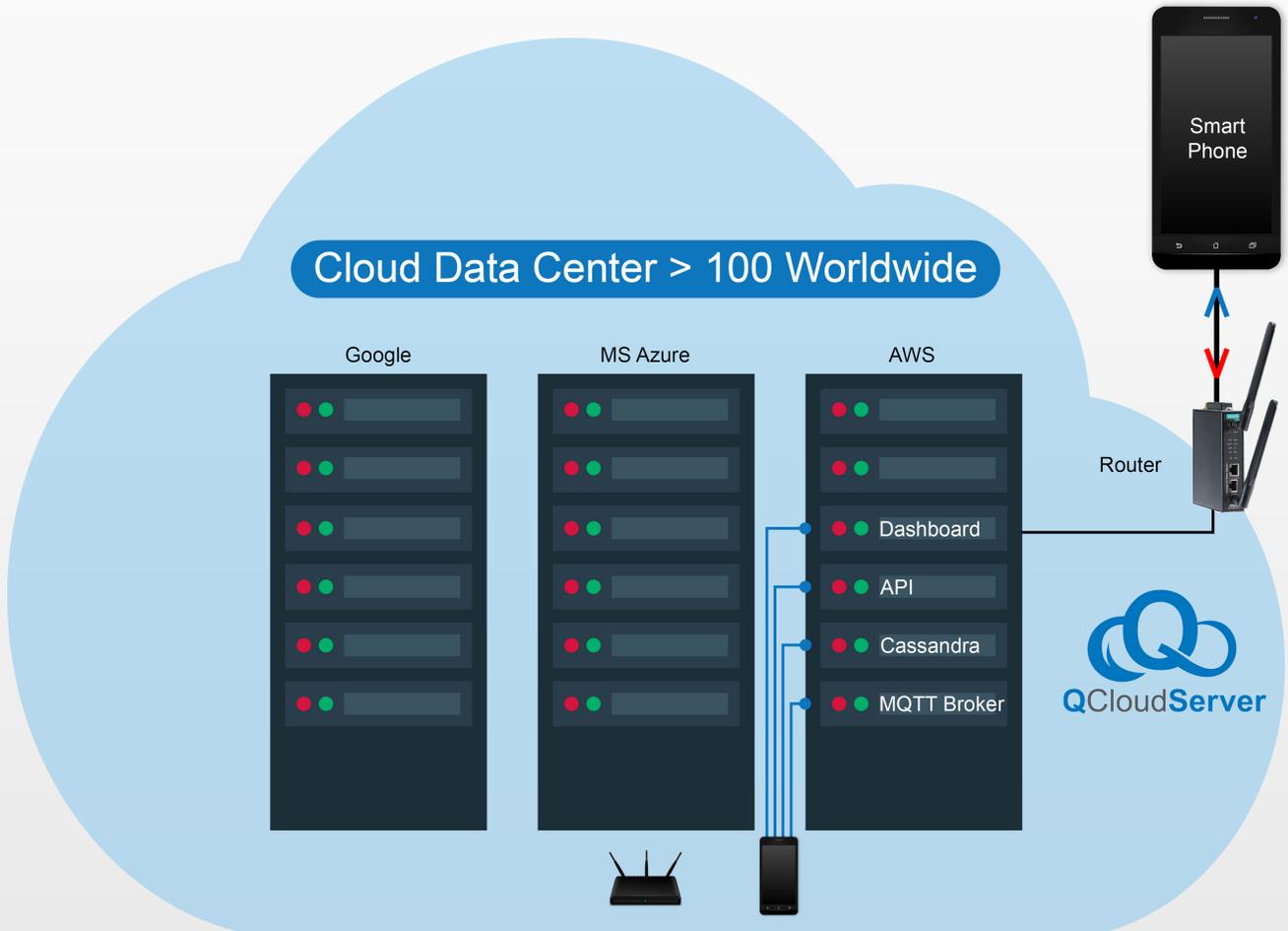


# QRTU



Modbus/RTU  
VFD Motor





# Smart Energy Monitor Demo



# Smart Farming Monitor Demo



# Pump House Monitoring Demo



Don't see the dashboard you need?

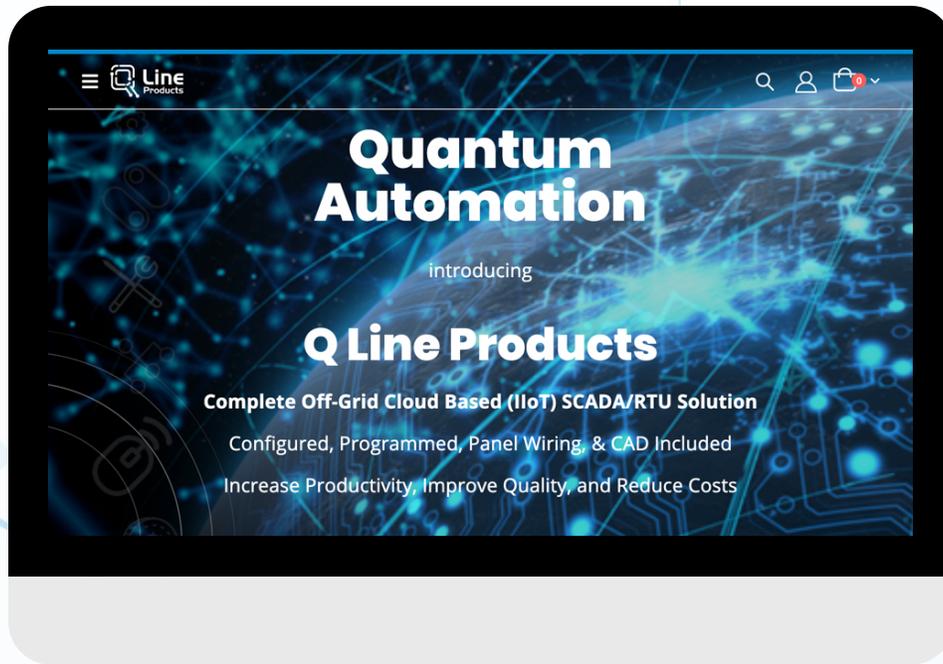
Each dashboard can be completely customized to fit your application type, just fill out our IO setup form and we'll have you collecting data usually within 2 days.



# COMPARISONS

Task	Description	Ignition	QCS+Flexy
Business Intelligence	Transfer raw data into meaningful information, Design custom dashboards.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reporting	Create and deliver dynamic, database driven PDF reports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Database	Integrate with any SQL or noSQL database , MES or ERP system	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Alarm Notification	Provide Alarm notification via email	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Allen Bradley Driver	Allen Bradley driver suite for the OPC UA modules	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enterprise Administration	A remote gateway admin system, allowing to manage gateway tasks and automation form single controller	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Logix Driver	Driver to communicate with Allen-Bradley logix 5000 series PLC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Modbus Driver	Driver to communicate with Modbus TCP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OPC-UA	A Cross-Platform OPC-UA server	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SMS Notification	Add SMS notification to alarming	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SQL Bridge	An OPC to SQL data logger and transaction manager	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Totally Cross-Platform	Works on Windows, Linux, macOS, and more.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Events	Traceability for operator initiated actions or internal system activities. Log events like security system changes,...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Animation	Paste Image, Rotate Dynamically. Fill bar graph images with color, adjust scale of objects, command for touch keypad	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intellectual Property Protec	Screens, documents, scripts, and worksheets can be individually password protected-Protect entire projects.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tag Historian	Turns any database into powerful historian that can store and deliver data into Ignition	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
UDP and TCP Drivers	Driver for Receiving and parsing UDP and TCP packets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vision	A module that provides web-launched HMI/SCADA clients	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scalable	Use the same development environment to design and deploy projects such is Linux, Windows 10, Windows Server...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Siemens Driver	Siemens S7-300 and S7-400 driver	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Symbol Factory	Vector graphic object library, Push Buttons, Pilot Lights, Tanks, Slider, Valves...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tag Database	Object oriented database with Boolean, integer, real, string, arrays, classes, indirect tags and included system tags allows you to create , d	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FTP	Automatically upload or download files during runtime to/from remote storage location using FTP protocol and flexible scripting function.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scheduler	Schedule application behavior triggered by tag changes, date/time or other triggers. Use this to for simulation to trigger reports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Javascript Custom Widgets	Custom Widgets integrate 3rd party, reusable Javascript, HTML5, and CSS interface properties and events to expand and enhance the grap	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi -touch Interface	Develop applications for touch screen devices. Pinch zooming and panning. Scroll through alarms using swiping gestures; Rotate graphic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi Language	Develop in one language and use translation tools to switch the runtime to any language-automatic front replacement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trend	Real time and historian trends	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDF Export	Send alarms, reports or any file to a production supervisor, QC, manager, or maintenance staff using Included PDF writer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Redundancy	For critical applications where data is vital, Indusoft web Studio supports web server, database and overall redundancy to protect your info	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scripting	VB script, Indusoft Builtin function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Security	Support for group and user account, e-signatures, and traceability. Integrate your project to the active directory.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DNP3 Driver	Driver supporting DNP3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Recipe Management	Automating part parameters and or production quantities with flexible recipe tools. (Can be done in Ladder Logic)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SFC	Sequential Function Charts	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FDA Traceability	Take advantage of built-in functionality to create 21 CFR part 11 compliant projects with traceability and e-signatures.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
.NET and ActiveX	Add functionality such as browser, media players, charting, live streaming video from cameras	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Remote Support	Offer support as a service or quickly troubleshoot and modify clients applications with the built-in remote support tool	<input checked="" type="checkbox"/>	N/A
Import Wizards	Convert whole application from Allen Bradley Factorytalk ME/SE, panel Mate or Panelbuilder32	<input checked="" type="checkbox"/>	<input type="checkbox"/>
XML Screen toolkit	Modify or create screens during the runtime or import screens that you have created	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Store and Forward	Store-and-forward historical data so you never lose it. (Can be done in PLC with SD-Card)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Price for SCADA package		\$20,850	
Price for IIoT add-on	MQTT server and Engine	\$5,000	\$750 Annually
Technical support	software upgrades, unlimited phone access to our technical support reps, and Total Care	\$6,168 Annually	Free
Setup and configuration		Extra charge by Ignition SI	\$1200 or Less

# ORDER ONLINE



After the order is placed, please download and fill out the IO Configuration Excel Spreadsheet and fill out per site if applicable.

[https://store.quantumautomation.com/  
product/qcloudserver/](https://store.quantumautomation.com/product/qcloudserver/)

Please send to:

[QLine@QuantumAutomation.com](mailto:QLine@QuantumAutomation.com)



# Line Products



## [Store.QuantumAutomation.com](http://Store.QuantumAutomation.com)

4400 East La Palma Ave

Anaheim, CA 92870

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FAX | 714-854-0803

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