



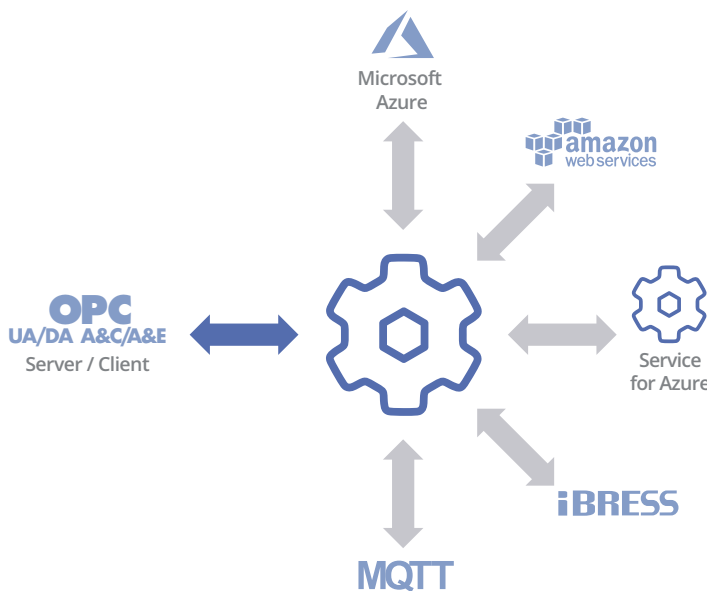
Cogent DataHub™ IoT Gateway

Connect to Azure, Google, Amazon, or any MQTT broker



Connect to virtually any MQTT IoT service

DataHub™ software makes it easy to connect your OPC-enabled system to virtually any MES, device cloud, or big data analytics platform using MQTT, Sparkplug B, or REST. It comes pre-configured for Azure IoT Hub, Google IoT, Amazon Kinesis, and Amazon IoT Core. With optional External Historian, you gain the reliability of store-and-forward and local historical data visibility with a single configuration.



Get the most from your industrial data

Send plant data securely to the cloud: MQTT's publish/subscribe protocol makes a secure, outbound connection to the IoT cloud service. No need to open any firewall ports, and no need for a VPN. DataHub™ IoT Gateway software also supports Transport Layer Security (TLS), certificate-based authentication, and username/password authentication.

Integrate real-time OPC data

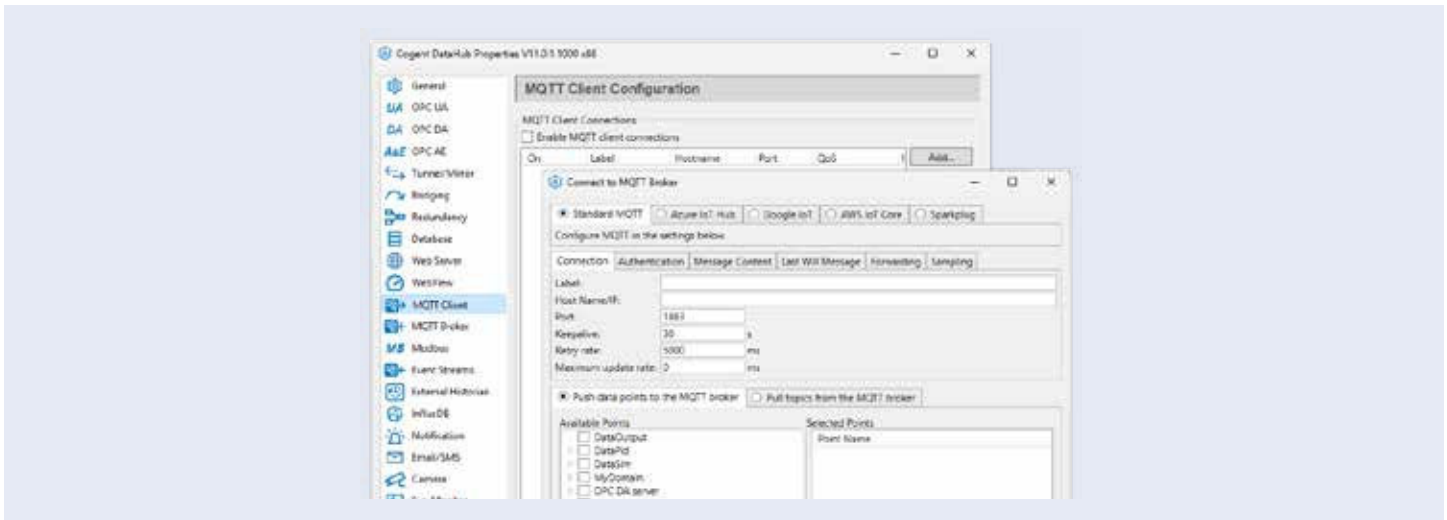
Leverage OPC UA, the leading Industrie 4.0 and IIoT data protocol—using a secure, real-time connection that maintains the OPC UA data model (which other gateways flatten). You get both OPC UA and DA client and server interfaces, for built-in protocol conversions. The full data hierarchy from the OPC UA server gets faithfully represented in the OPC DA client and MQTT broker.

Optimize MQTT

DataHub™ IoT Gateway software supports MQTT Sparkplug B, MQTT Version 3.1.1, including publish and subscription methods, as well as Last Will and Testament and Quality of Service message delivery.

DataHub™ IoT Gateway software also offers these additional benefits:

- No point count restrictions
- Automatically discovers all the points from the server
- Eliminates cache latency and stale data, so you always know the data quality and have the most current value
- Multi-threaded interface means that a slow or non-responsive server will not slow down other connections



Standard Features

- **MQTT Client** – connect to any MQTT Broker
- **OPC DA support** – connect to OPC DA servers/clients
- **OPC UA support** – connect to OPC UA servers/clients
- **Data aggregation** – merge data from multiple sources into a common data set
- **Secure Remote Configuration** – configure multiple DataHub™ installations from one location
- **QuickTrend** – view live, real-time trends for selected data
- **Scripting** – program custom solutions to meet your specific needs
- **Security** – control access and set permissions for users and groups

Popular Add-on Features

- **MQTT Broker** – in-house IoT Hub
- **WebView™** – build and display web-deployed HMI
- **Data Bridging** – connect two or more data sources to share data in real time
- **OPC A&E** – connect to OPC A&E servers/clients
- **OPC A&C** – connect to OPC UA A&C servers/clients
- **Modbus** – connect to Modbus TCP slave devices
- **Database** – read and write data to/from any ODBC database
- **InfluxDB** – enables store-and-forward capabilities

Ordering Information

PRODUCT	CODE	DESCRIPTION
DataHub IoT Gateway	IOTGAT	DataHub Core features with OPC UA, OPC DA, MQTT client, tunnel/mirror

System information

DataHub™ software supports OPC UA (server and client), OPC UA A&C (server and client), OPC UA HDA (server), OPC Classic (DA 3, DA 2, and A&E), as well as Modbus TCP, MQTT, MQTT Sparkplug B, ODBC, DDE, TCP, HTTP and more. It runs on the following operating systems:

- Windows Server 2022 / 2019 / 2016
- Windows Server 2012 & R2
- Windows Server 2008 & R2
- Windows Server 2003 & R2 (DataHub v8 only)
- Windows 11 / 10 / 8.1 / 7
- Windows XP SP2 (DataHub v8 only)

About Skkynet

Skkynet is a global leader in real-time software and services that allow companies to securely acquire, monitor, control, visualize, network and consolidate live process data in-plant or in the cloud. DataHub™, DataHub™ for Azure, and Embedded Toolkit (ETK) software enable secure, real-time data connectivity for industrial automation, Industrial IoT, and Industrie 4.0. Visit [skkynet.com](https://www.skkynet.com) for more about the company and [cogentdatahub.com](https://www.cogentdatahub.com) for more about Cogent DataHub.

Skkynet™, DataHub™, Cogent DataHub™, the Skkynet and DataHub logos are either registered trademarks or trademarks used under license by the Skkynet group of companies ("Skkynet") in the USA and elsewhere. All other trademarks, service marks, trade names, product names and logos are the property of their respective owners.