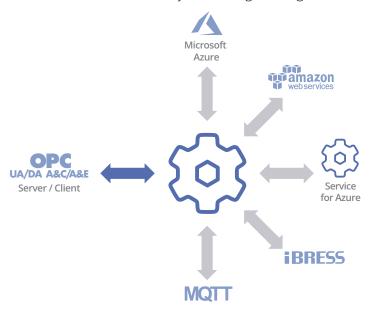
# Cogent **DataHub**<sup>™</sup>IoT Gateway

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

# Connect to virtually any MQTT IoT service

DataHub<sup>™</sup> 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<sup>™</sup> 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<sup>™</sup> 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<sup>™</sup> 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 nonresponsive server will not slow down other connections

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#### **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<sup>™</sup> 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<sup>™</sup> 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** DataHub IoT Gateway CODE IOTGAT

# System information

DataHub<sup>™</sup> 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<sup>™</sup>, DataHub<sup>™</sup> 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** for more about the company and **cogentdatahub.com** for more about Cogent DataHub.

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#### DESCRIPTION

DataHub Core features with OPC UA, OPC DA, MQTT client, tunnel/mirror