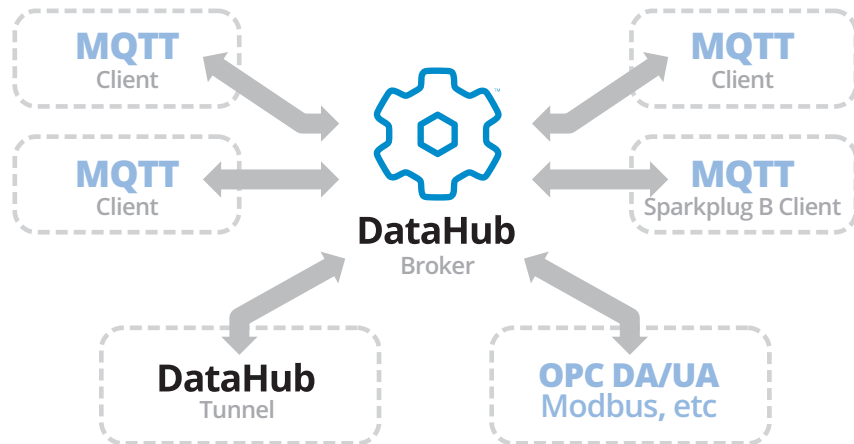# DataHub® Smart MQTT Broker™

Get more from MQTT

DataHub

Using the DataHub® Smart MQTT Broker™ middleware you can aggregate, standardize, and secure your MQTT data. It offers quick, automatic parsing based on IETF JSON schemas, and supports multiple simultaneous JSON formats, as well as Sparkplug B. DataHub technology lets you connect any MQTT client to any supported protocol – OPC DA, OPC UA, Modbus, ODBC, DDE and more.

Aggregate, standardize and secure your MQTT data

With the DataHub® Smart MQTT Broker™ middleware you can connect any MQTT Client, then aggregate and normalize the data. Once the data is aggregated, you can publish the data to any cloud broker, SCADA system, or supported historian. Built-in security lets you prevent or selectively allow bi-directional communications. What's more, each point is assigned a quality status, so that every client knows if any MQTT client connection fails.

Integrate multiple JSON formats and Sparkplug B

Connect to multiple MQTT clients simultaneously, regardless of the JSON format they use. The DataHub® Smart MQTT Broker™ middleware lets you configure multiple JSON formats to simplify integration from your field devices. Smart support for MQTT Sparkplug B means you can respond to errors, resolve failed writes to devices, add data quality information, and keep all applications synchronized, all helping to resolve many edge case inconsistencies.

Leverage IETF JSON schemas

Unlike most client applications, where each MQTT message must be individually parsed, the DataHub® Smart MQTT Broker™ middleware supports the IETF draft specification for JSON Schemas, which enables automatic parsing that is not only quick, but future-proof to any changes in data.
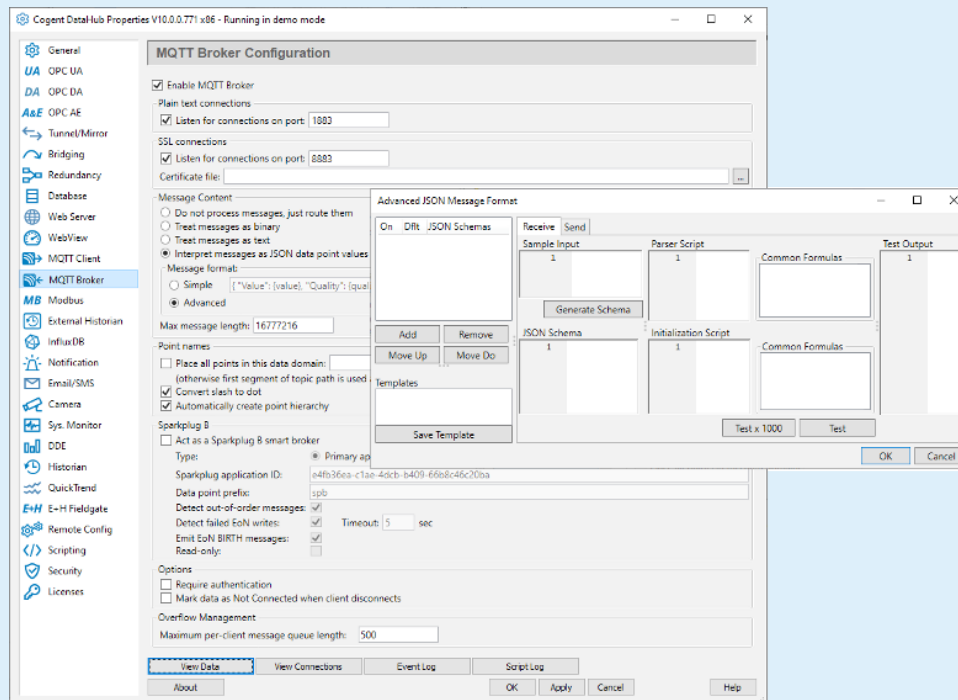
Not your typical MQTT Broker

There is nothing else like it. Although many MQTT brokers are available, none offer an out of box connection to OPC UA, DA, Modbus TCP or ODBC. Incorporating these protocols, the DataHub® Smart MQTT Broker™ middleware makes MQTT an integral part of any new or legacy system.

Flexible configuration

Options for SSL, non-JSON formats, creating DataHub points from message content, and the ability to send and receive messages from multiple formats simultaneously.

System information

DataHub® middleware 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, ODBC, DDE, TCP, HTTP and more. It runs on the following operating systems:

- Windows Server 2021 / 2022
- Windows Server 2019 / 2016
- Windows Server 2012 & R2
- Windows Server 2008 & R2
- Windows Server 2003 & R2 (DataHub v8 only)
- Windows 11/ 10 / 8.1 / 7

About Skkynet

Skkynet Cloud Systems, Inc. is a global leader in real-time data communication systems, providing the award-winning SkkyHub™ service, DataHub® middleware, and Embedded Toolkit (ETK) software, which enable secure, real-time data connectivity for industrial automation, Industrial IoT, and Industrie 4.0. For more information, see https://skkynet.com.

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Ordering Information

PRODUCT	CODE	DESCRIPTION
MQTT Broker Core	DHMQB	DataHub MQTT Smart Broker