MQTT Client
KWP-MQTTC0-PRD

Product Overview

The MQTT Client driver works in conjunction with KEPServerEX to provide a seamless, secure, and reliable data exchange between devices that utilize the MQTT protocol and client applications.

MQTT is a lightweight message protocol that connects to a wide variety of industrial Internet of Things (IoT) and industrial automation devices. MQTT is often used to connect sensor networks and is increasingly embedded on next generation industrial automation devices. In many scenarios, MQTT transmits data from these devices to the Cloud.

The MQTT Client driver is a user-friendly out-of-the-box MQTT to OPC UA translator. It securely accesses otherwise siloed data and transmits it to KEPServerEX. Users can then integrate this data with data collected from traditional industrial automation assets—such as PLCs, sensors, and databases—to create a single source of consolidated plant floor data.

Features

- Innovative parsing tools enable users to create tags from popular devices that utilize MQTT
- Acts as an MQTT Client by subscribing to any MQTT broker
- Creates a highly secure connection, based on the latest security best practices:
  - Full SSL encryption support utilizing TLS 1.0, 1.1. and 1.2
  - MQTT standard username and password functionality
  - Client-side certificate authentication support
- Highly performant and able to handle the high volumes and speed of data that KEPServerEX customers expect and rely upon
- Read-only

Protocols

- MQTT

Additional Tech Info

Supports a majority of devices that utilize MQTT to transmit data, including:

- The WzzardTM Wireless Sensor Network Platform from B+B SmartWorx
- Meshlium from Libelium
- PFC100 and PFC200 series controllers from WAGO
- EK9160 IoT Bus Coupler from Beckhoff
- IIoT Gateway from EpiSensor
- Maestro from CD Innovation
- Edge of Network Gateway from Maple Systems
- Any device that publishes data in a JSON format

Application Support

- OPC Data Access (OPC DA) Versions 1.0a, 2.0, 2.05a, and 3.0
- OPC Alarms and Events (OPC AE) Version 1.10
- OPC Unified Architecture (OPC UA) Version 1.01
- OPC .NET Service (OPC .NET) Version 1.00
- SuiteLink and FastDDE for Wonderware
- NIO Interface for iFIX
- DDE Format CF_Text and AdvancedDDE