



i-Vu® Building Automation System MQTT Connector Add-on



IOT Integration Made Simple

Carrier's MQTT connector add-on makes it fast and easy to publish data from the i-Vu building automation system (BAS) to an MQTT broker—a standard component in cloud environments. Using the MQTT standard lightweight messaging protocol for IoT, data is streamed from the BAS and automatically formatted according to the Sparkplug B specification. The BAS data is enriched with deep context, including semantic tags, so that it can be used by other enterprise-level applications to inform business decisions.



Key Features and Benefits

- Easy to deploy; compatible with all major MQTT brokers and most cloud infrastructure (IaaS) providers
- Simple configuration tool: Pick which points to publish using an intuitive user interface that leverages i-Vu's built-in semantic tagging engine
- Published BAS data includes Project Haystack semantic tags, which provides rich context like locations, units of measure, equipment types, control program designations, and point characteristics
- Improves visibility by allowing BAS data to be shared with non-facilities personas like the C-suite, tenants, and employees
- Supports both password and X.509 certificate-based authentication
- TLS 1.3 and a built-in truststore ensure that data is transmitted securely
- Enables fast integration with Carrier Abound™ and Nlyte® software

Compatibility

- Requires i-Vu Pro v8 with cumulative patch 5 (20221114-0) or later*

Part Numbers

SKU	Description
ADD-MQTT_CLIENT-1YR	MQTT Connector 1 year license/subscription
ADD-MQTT_CLIENT-7YR	MQTT Connector 7 year license/subscription

*NOTE: A licensed subscription is not required when integrating i-Vu with Carrier Abound.



The i-Vu Pro building automation system provides a 360° view of your building's entire operation. It's everything you need to maintain a healthy, comfortable environment for occupants, while optimizing energy usage, and helping you to resolve problems faster.

MQTT Connector Add-on



THIRD PARTY MQTT BROKER REQUIREMENTS	
Supported MQTT Version:	3.1.1
Tested Broker Software:	The following MQTT broker software has been tested and works with this add-on. Note that this list is provided for information only. The MQTT Connector is a fully compliant MQTT 3.1.1 and Sparkplug B client and should work with any broker that supports MQTT 3.1.1.
	<div> Cloud AWS IoT Core Hive MQ Cloud </div> <div> On-Premises Hive MQ 4.8 Mosquitto 2.0 x64 Ignition </div>
THIRD PARTY MQTT SUBSCRIBER REQUIREMENTS	
Payload Format:	Sparkplug B version 1.0 Note: This specification includes that the payload is serialized with protocol buffers, therefore payloads will not be published in plain text.
	Custom payload format Telemetry-only custom payload text is partially configurable based off use of JSON template

Typical Application

