UDMI Module

Universal Device Management Interface

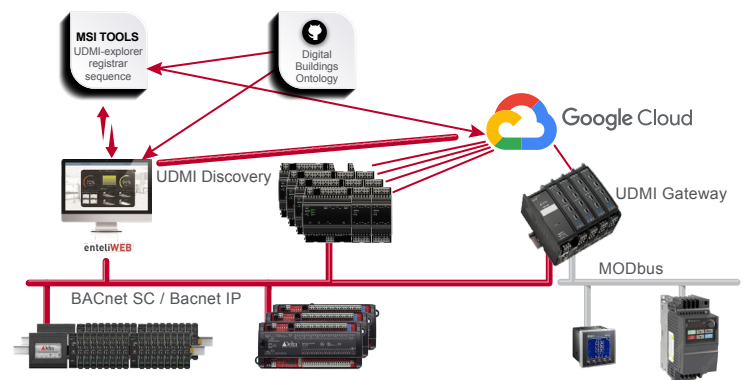### DELTA CONTROLS
UDMI PARTICIPATION

Delta Controls are proud to be one of the founding members of the Universal Device Management Interface (UDMI) Working Group. This is a collaborative effort led by Google and supported by a cross-industry representation of like-minded organizations that are striving to make sense of IoT connectivity and agree a standard schema for cloud ingestion of data from building services

Without this important initiative there a clear and present data that competing, proprietary IoT schema that will result in supplier or manufacturer lock in, with all of the cost and service implications that this may entail.

DELTA CONTROLS
TECHNOLOGY

Delta Controls have added the capability to extend the functionality of their latest range of controllers by the addition of a Python library for BACnet and MODbus, which enables a multitude of new technologies, including MQTT and REST APIs as well as legacy technologies such as MODbus TCP and SNMP. Python is one of the most popular programming languages in use today and its inclusion in our devices allows for unparalleled opportunities for the development of new integrations and infinite possibilities.

Delta Controls devices include an MQTT client in their core, along with cybersecure X.509 authentication and TLS1.3 encryption tools that allow devices to connect to cloud and other servers in a secure fashion, And utilizing the latest standards in cybersecure protection.

DELTA CONTROLS
UDMI MODULE

Delta Controls provides a python module that implements the latest version of UDMI Schema, as defined by the working group. This module can be loaded into any Delta Controls device running V4.13 or later firmware using our unique loadable module extension.

Contact the Delta Controls UDMI team (udmi@deltacontrols.com) to discuss your UDMI project requirements and to obtain a copy of this freely distributed module. You may also prefer to contact the Delta Controls Professional Development Services team (pds@deltacontrols.com), who can assist with MSI project work and delivery of pre-provisioned UDMI devices.

Professional Development Services

DELTA CONTROLS
UDMI CAPABLE DEVICES

Currently the following products from our illustrious stables are certified by the Google Qualification labs, either as DAQ Certified, for IoT Light projects and/or as DAQ Smart Ready for IoT Heavy projects.

IoT Light devices have passed the Google Network Security test and are therefore qualified for connection to the Google Corporate Network.

IoT Heavy devices are also qualified for connection to the Google Corporate Network, but additionally have passed with the Smart Ready tests that confirm compliance with UDMI Schema.

DEVICE	PART NO.	IoT LIGHT	IoT HEAVY	SMART READY CONTROLLERS
Red5-PLUS-Room	311707	x	x	
Red5-EDGE-Room	311708	x	x	
eBCON-2	311596	x	x	
Red5-PLUS-1180	312180	x	x	
Red5-PLUS-1146	312146	x	x	
Red5-EDGE-1180	322181	x	x	
Red5-EDGE-1146	322147	x	x	
Red5-PLUS-606	312607	x	x	
Red5-PLUS-634	312634	x	x	
Red5-EDGE-606	322605	x	x	
Red5-EDGE-634	322639	x	x	
O3-SENSE-00	331738	x	Q4 2023	
O3-EDGE-02-S	331741	x	Q4 2023	
O3-EDGE-02-E8	331739	x	Q4 2023	
O3-EDGE-02-E9	331740	x	Q4 2023	

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