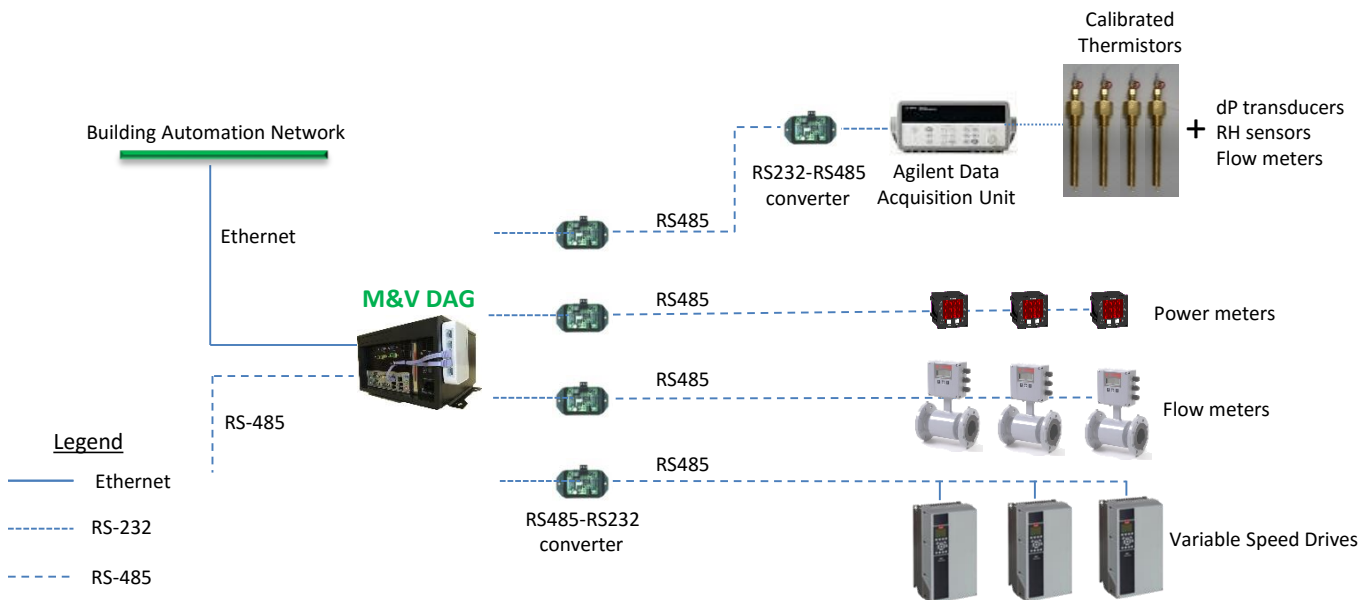# M&V Data Acquisition Gateway (DAG) Specifications

M&V DAGs are rugged, network centric, high performance, high accuracy Data Acquisition and Control Server available for Chiller Plant Green Mark Compliance with Agilent Data Acquisition System Driver Support. It come with Modbus RTU Drivers for Field Device High Level Interfacing and Modbus RTU/TCP, BACnet IP support to interface to any Central Building Automation System. M&V DAG provides Automatic Data logging and archiving (in one minute interval resolution) for several years on its internal storage. M&V DAG provides a solution to all System Integrators to able to integrate Agilent Data Acquisition System 39470A seamlessly. Built-in Web server enables configuration with popular web browser over an Ethernet connection.

DAG Specifications

Model: EDAG01-BM
- Dual Core 1.8GHz, DDR 1GB, 8GB Flash or 160GB HDD
- 1 x Gigabit Ethernet, 4 x RS232, 1 x RS485
- Embedded DAC Gateway Application Server Version 9.1
- Customized Linux operating system
- Agilent DAS Driver with built-in Steinhardt-Hart Equation Support
- Modbus RTU Driver
- Modbus RTU/TCP (slave), BACnet IP supported
- Power Supply AC100~240V 180W
- Operating Temperature 0~40C
- Humidity 10~85% @ 40DegC non-condensing
- Dimension 250x156x253 mm (WxHxD)
- Weight 5kg

Building Automation Network

Ethernet

M&V DAG

RS-485

Calibrated Thermistors

RS232-RS485 converter

Agilent Data Acquisition Unit

+ dP transducers
RH sensors
Flow meters

RS485

RS485 — Power meters

RS485 — Flow meters

RS485

RS485-RS232 converter

Variable Speed Drives

Legend
— Ethernet
------- RS-232
- - - - RS-485