



VOLTTRON-Compatible Devices

VOLTTRON™ is a software platform that deploys software agents to various building system devices. In order for VOLTTRON to communicate with the building systems, there must be an established connection between them.

As of now, VOLTTRON can communicate via the BACnet and Modbus protocols to many controllers and buildings devices that use those protocols. If your device speaks BACnet or Modbus then you will just have to configure the [Master Driver agent](#). For more details on how to configure BACnet and/or Modbus devices please visit VOLTTRON's [user-guide](#) and read Chapter 3.2.

The VOLTTRON team has already technical experience with the following buildings system devices:

Johnson Controls

NAE (Network Automation Engine), NIE (Network Integration Engine), Variable Air Volume (VAV) controllers, Air Handling Units (AHU) controllers (both MSTP with IP gateway and TCP IP)

Allerton

VAV Controllers (MSTP via Contemporary controls MSTP to IP gateway), VAV controllers on TCP IP, AHU Controllers, Supervisory (BAS)

Siemens Building Automation System, Apogee

Limited testing but no apparent problems when on BACnet IP

Transformative Wave

Catalyst Roof Top Unit (RTU) controller CAT 371, CAT 372, SMC

Automated Logic

Limited testing but no apparent problems when on BACnet IP

Delta Controls

Limited testing but no apparent problems when on BACnet IP

TEMCO Thermostat

Oak Ridge National Labl (ORNL) used these Modbus thermostats with VOLTTRON

Prolon

Modbus RTU and VAV controllers

For more information, contact CBChallenge@pnnl.gov.