

# Verdant's Award-Winning EMS is BACnet Compatible



In many commercial buildings, a Building Management System (BMS) is commonly used to control and monitor a variety of mechanical and electrical equipment. The BMS consolidates vital information about the performance of these different building systems, offering a convenient interface for maintenance staff to supervise and control the building's operation.

## How it Works

While Verdant provides its own powerful cloud-based interface for control over a network of Verdant thermostats, customers can now import many of the thermostat's core data-points into a BMS, thereby enhancing the operator's ability to manage, monitor, and improve the overall operation of the building.

Verdant's energy management system seamlessly connects a network of thermostats using our proprietary 900MHz communication protocol and one networking device – our Online Connection Kit.

The Online Connection Kit leverages BACnet IP to securely transmit operational data points to a BMS, avoiding the need for cabling and additional labor. Once the Online Connection Kit has been discovered by the BACnet server, users may import a range of variables into their BMS.

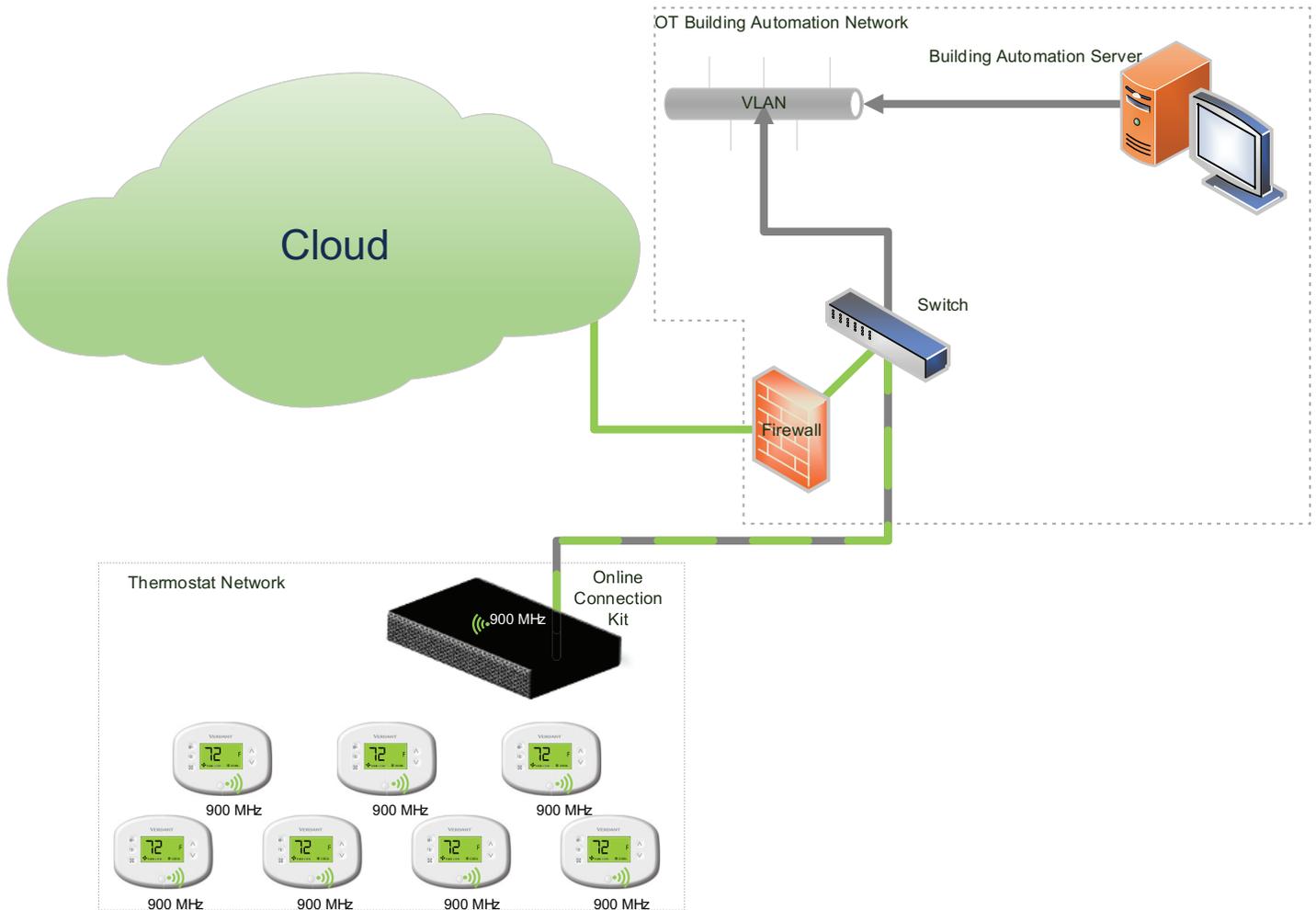
Data Point	Read/Write
Room Temperature	R
Room Humidity	R
Occupancy Status	R
On/Off	R/W
Room Setpoint	R/W

## Enhance Building Operation Strategies

Combining Verdant's award-winning energy management system with a BMS can further optimize the performance of the whole building. Verdant's proven control strategies balance energy savings with superior occupant comfort while sharing vital room info via BACnet integration (i.e., occupancy, temperature, and humidity), allowing the implementation of advanced and more efficient sequences for other mechanical systems.

The combination of options not only optimizes the living unit energy performance but also helps maximize the performance of different mechanical systems, such as dedicated outside air units





## Easy Setup & Management

Setting up Verdant's BACnet over IP network is simple. Upon receipt of Verdant's Online Connection Kit, users populate a few simple parameters from their existing network infrastructure. The Online Connection Kit must be connected to a hard-wired ethernet port with outbound internet access through ports 80 or 443.

The Online Connection Kit then automatically propagates Verdant's proprietary communication protocol across all Verdant devices on property, forming a deep mesh network while simultaneously communicating to a property BMS.

In addition to modifying Verdant system settings through a BMS, users may also access Verdant's cloud-based online management portal through the property IT network to remotely configure system settings, receive customized diagnostic alerts, or view monthly energy savings.

Verdant EI™, an optional energy management service further automates energy savings on property by allowing Verdant's energy management experts to remotely manage system settings with no involvement needed from staff on property.

**To learn more about Verdant's BACnet compatible solution, call (888) 440 0991 or visit [www.verdant.co](http://www.verdant.co)**