

## BACnet features supported:

- **Standard BACnet Objects**
  - o Analog In
  - o Analog Out
  - o Analog Value
  - o Binary Input
  - o Binary Output
  - o Binary Value
  - o Multi-State Input
  - o Multi-state Output
  - o Multi-state Value
  - o Schedule (Export only)
  - o Calendar (Export only)
  - o Trend (Export only)
  - o Device
- **Segmentation Capability**
  - o Segmented Request
  - o Segmented Response
- **Application Services**
  - o Read Property
  - o Read Property Multiple
  - o Write Property
  - o Write Property Multiple
  - o Confirmed Event Notification
  - o Unconfirmed Event Notification
  - o Acknowledge Alarm
  - o Get Alarm Summary
  - o Who-has
  - o I-have
  - o Who-is
  - o I-am
  - o Subscribe COV
  - o Confirmed COV Notification
  - o Unconfirmed CO Notification
- **Media Types**
  - o Ethernet
  - o BACnet I/P Annex J
  - o MSTP Via JACE 5XX, JACE 4XX

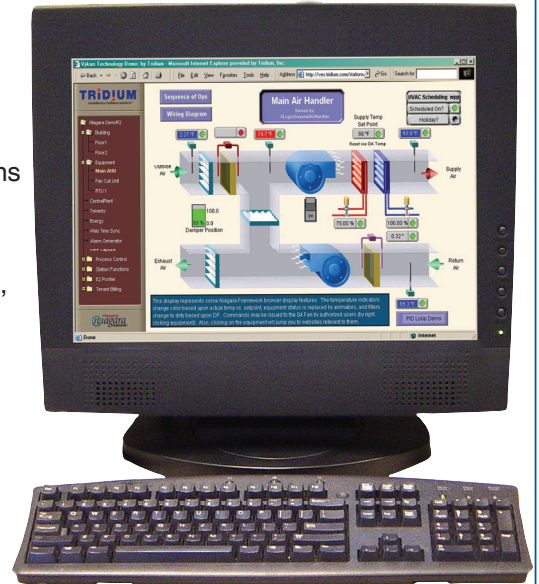
## • BACnet Broadcast Management (BBMD) function is supported

## • BACnet Router function is supported



# Vykon BACnet Supervisor™

Vykon BACnet Supervisor™ is a fully web-based, vendor-independent, BACnet® workstation solution providing users with the ability to view, manage, and control multi-vendor BACnet systems and devices from a common system. The BACnet Supervisor supports dynamic graphics, alarm and event logs, status summaries, historical trending, and changing of control parameters while providing secure access and an audit trail for facility management. Fully web-based, there is no thick client software to install or support and no client licenses to buy. Information from your BACnet devices can be directly accessed from a standard web-browser.



The BACnet Supervisor also provides powerful “back end” services, supporting email, pager and cell phone alarming, and historical data archival for long-term storage and analysis using common industry standard databases.

BACnet Supervisor provides the capability to connect directly to any BACnet device that communicates BACnet IP™ over Ethernet, or to MSTP BACnet field devices when used inconjunction with JACE® controllers. And, because it is based on Tridium’s Niagara Framework® platform, BACnet Supervisor gives you the freedom to expand your system with other protocols including LonWorks®, Modbus® and many legacy drivers. Implement as an open BACnet workstation today, connect to any third party BACnet device available in the market, and grow to a full featured Vykon Building Automation Suite using JACE controllers, and other open and legacy system drivers. In addition, the functions of a BACnet Router are provided along with the BACnet Broadcast Management Device.

## Why BACnet Supervisor?

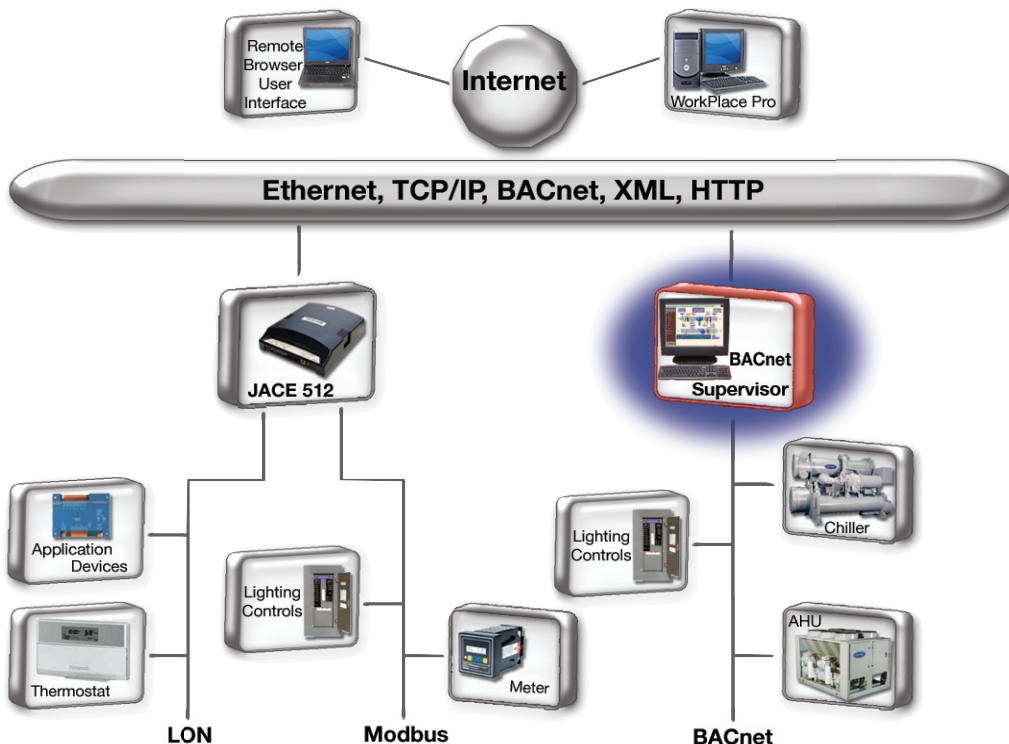
- Control and manage multi-vendor systems and devices from a common system
- Access information anytime, anywhere using standard web browser
- No thick client software to install
- Supports email, pager and cell phone alarming

## Features

- Full web-enabled user interface support for BACnet data points – serves dynamic, animated graphic displays directly to a standard web browser. No “thick client” software required.
- Provides supervisory control of BACnet devices and systems including monitoring and alarming of BACnet data points.
- Supports dynamic graphics, archival of historical data, alarm management, scheduling, web browser-access, real-time control, audit trail, and secure access.
- Any BACnet data point may be trended using standard Niagara trend objects; Trend Object is exportable as a BACnet object.
- BACnet alarms are monitored and can be routed to any Niagara recipient.
- Fully integrated with Niagara Framework distributed architecture systems.
- BACnet Broadcast Management (BBMD) and Router functions are supported.

## Platform Requirements

- Supported by Niagara Framework Version 2.4 or higher.
- Minimum recommended platform for the Vykon BACnet Supervisor is a Pentium® 4 @ 1.5 GHz, with 1 Gigabyte of RAM, and 80 Gigabyte hard drive, CD drive (for software loading), Microsoft Windows NT® 4, Windows® 2000 Professional, or Windows® XP Professional. Windows Server 2003 is not required, but it is acceptable as long as the IIS (server) is disabled.
- The Vykon Master Web Supervisor™ also supports the BACnet Supervisor and will enable multiple Web Supervisors to connect to multiple BACnet Servers for maximum configuration flexibility.



## Ordering Information

- **WS-BAC**  
Vykon BACnet Supervisor™ with 500 point capacity
- **WS-BAC-500**  
Additional 500 point license for Vykon BACnet Supervisor
- **WS-BAC-N**  
BACnet Supervisor node (if applicable; one required for each connected JACE)

[www.tridium.com](http://www.tridium.com)

### North America

3951 Westerre Parkway  
Suite 350  
Richmond, VA 23233-1313  
Phone 1.804.747.4771  
Fax 1.804.747.5204

### Europe

1 The Grainstore  
Brooks Green Road  
Coolham, W. Sussex  
United Kingdom RH13 8GR  
Phone +44 (0) 1403.740290  
Fax +44 (0) 1403.741804

### Asia Pacific

101 Cecil Street #10-11  
Tong Eng Building, 069533  
Singapore  
Phone +65.6.887.5154  
Fax +65.6.887.5342