

# VIPER<sup>AX</sup> Supervisor

The **VIPER<sup>AX</sup>** Supervisor is one of a suite of Niagara Framework<sup>®</sup> products designed to integrate a variety of devices and protocols into a common distributed automation system. It incorporates the industry's first software technology to integrate BACnet™, Modbus, and various Internet standards in a common object model, embedded at the controller level and supported by a standard web browser interface. Web Supervisor also includes integrated network management tools to support the design, configuration, installation, and maintenance of interoperable networks.

**VIPER<sup>AX</sup>** Supervisor is a flexible network server used to manage multiple routers on larger projects, or to provide a central monitoring station in multi-site projects. It also, optionally, supports direct communication with other systems via various IP based protocols, including BACnet I/P, OPC (client), Modbus TCP, EIB/KNX and SNMP. This enables seamless integration of other systems at the IP level, with a common browser user interface, providing much more flexible access (from any networked PC), and simplifying operator training.

**VIPER<sup>AX</sup>** Supervisor creates a powerful network environment with comprehensive database management, alarm management, and messaging services. In addition, the **VIPER<sup>AX</sup>** Supervisor provides a full engineering environment and graphical user interface. Advanced graphics can be created for display in any browser. The optional CSV, SQL, MySQL, DB2 and Oracle drivers enable seamless data transfer to these industry standard databases. The optional SMS service enables alarms to be sent as SMS messages.

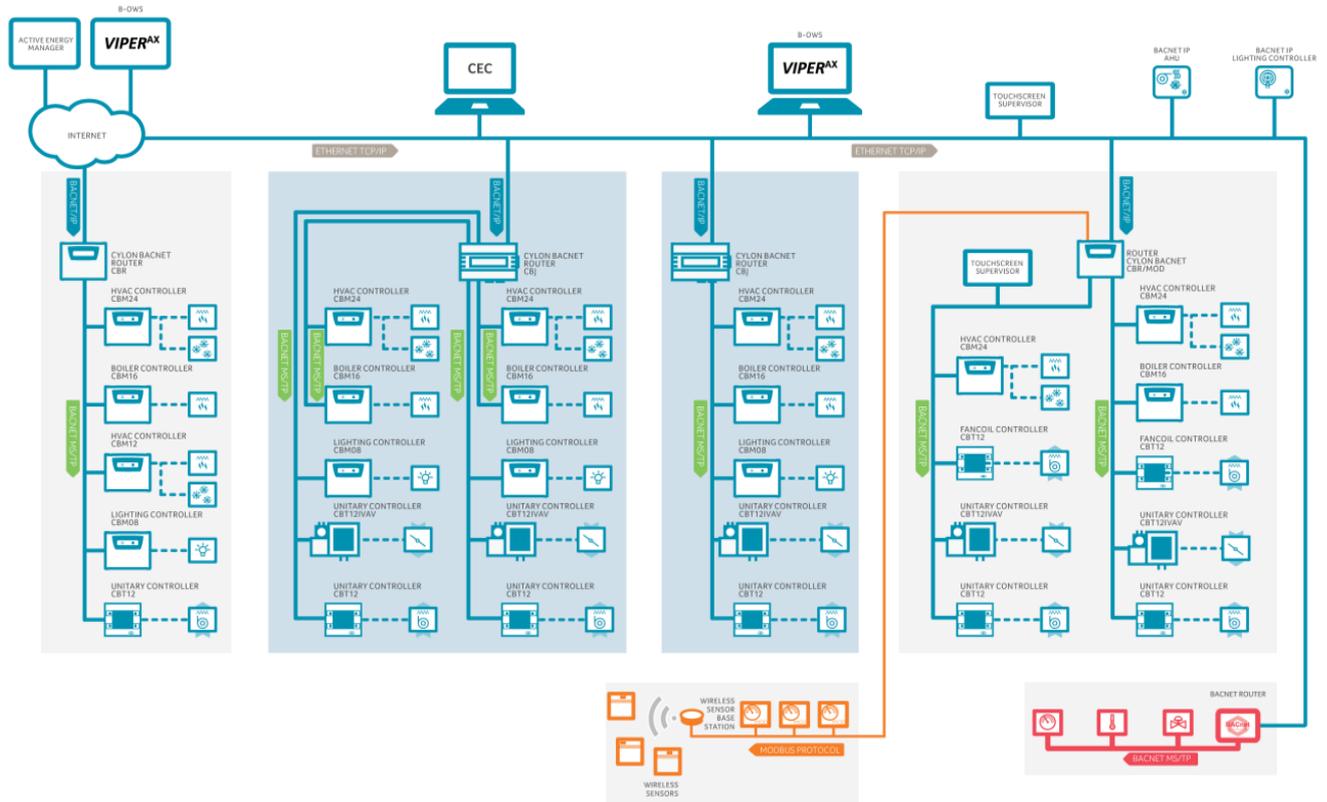
User selectable UI profiles enable support for touchscreens (large buttons and virtual keyboard) and non-JAVA enabled browsers.



## Key features

- Web serving graphical user interface
- Supports multiple CBR routers connected by local Ethernet network or the Internet
- Supports multiple CBJ stations connected by local Ethernet network, GPRS, or the Internet
- Unlimited number of users over the Internet / Intranet with a standard web browser
- Enterprise-level information exchange using SQL database and HTTP/HTML/XML text formats
- Global time functions, calendar, central scheduling, control, back-up and energy management routines
- Sophisticated alarm processing and routing, including e-mail
- Web access to alarms, logs, graphics, schedules, and configuration data
- PDF report generator enables customized reports to be emailed on a scheduled basis
- Password protection and security using standard Java authentication and encryption techniques
- Comprehensive on-line system help information
- Ethernet driver support for BACnet I/P, OPC, Modbus TCP, EIB/KNX and SNMP
- Can export archived trend and alarm data to CSV, SQL, MySQL, DB2 and Oracle
- Support for touchscreens (virtual keyboard etc.) and browsers which lack full JAVA support

## TYPICAL ARCHITECTURE



### PLATFORM REQUIREMENTS

Processor:	Intel Pentium™ IV, 2Ghz or higher
Operating System:	Windows 8.1 Professional/Enterprise/Ultimate (64-bit), Windows 8 Professional/Enterprise/Ultimate (32-bit & 64-bit), Microsoft Windows 7 Professional/Enterprise/Ultimate (32-bit & 64-bit), Microsoft Windows XP Professional, Windows 2003 Server (if Microsoft IIS is disabled), Vista Ultimate, Mozilla Firefox, Internet Explorer™ 5.0 or later. Sun Hotspot JVM.
Memory:	1GB minimum, 2GB recommended
Hard Drive:	1GB minimum, 5GB for applications that need more archiving capacity
Display:	Video card and monitor capable of displaying 1024 x 768 pixel resolution or greater
Network Support:	Ethernet adapter (10/100 Mb with RJ-45 connector)
Network Connection:	Full time high speed ISP connection recommended for remote site access (i.e. T1, ADSL, cable modem); 56 KB modem minimum for dial-up connection to a CBJ. GPRS also supported.

### How to order

- 1STMS001** Web Supervisor Small Building with a maximum of 10 BACnet IP devices and unlimited Unitron devices.
- 1STMS010** Web Supervisor with unlimited BACnet IP devices and unlimited Unitron devices.