



KMIC Product Overview

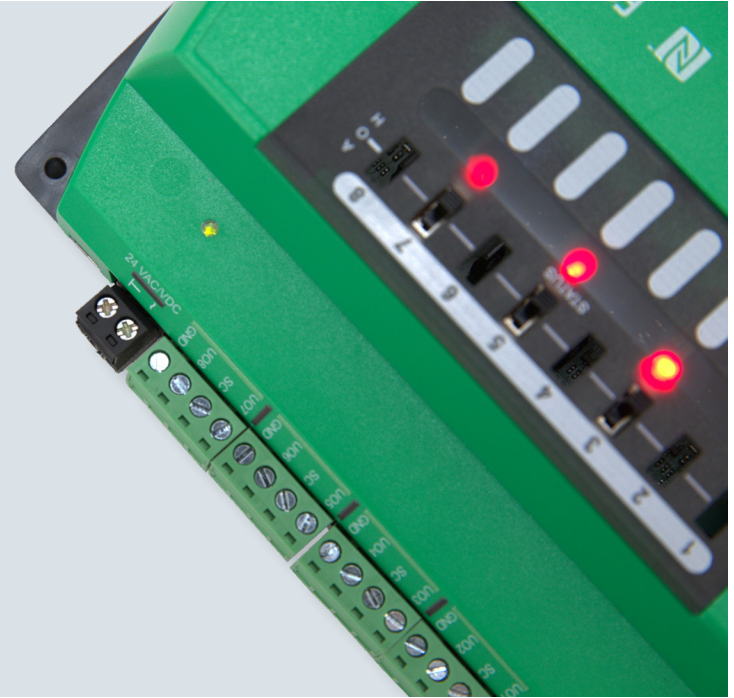


The latest in building automation

KMC Conquest™ is our latest line of BACnet® advanced application digital controllers and sensors for controlling building automation systems and HVAC equipment.

Great flexibility and control

- BTL-listed automation hardware for use across a variety of system types
- Dual Ethernet and MS/TP versions available
- Near-field Communication (NFC) built in for pre-commissioning while unpowered and in the box



BAC-5901 General Purpose

- Used for AHU, chillers, boilers, cooling towers, and more
- Highly customizable outputs with HPO-6700 series cards
- 10 inputs / 8 outputs / expansion modules available



CAN-5900 Series Expansion Modules

- 8 inputs, 8 outputs, and 16 input versions available
- Up to 4 expansions per general purpose controller
- Output configurable with HPO-6700 series cards



BAC-9000 Series VAV

- Pressure independent and dependent applications
- Integrated differential pressure sensor, triacs, and universal outputs
- Single and Dual Duct applications



BAC-9300 Series Unitary

- RTU, HPU, FCU, and AHU applications
- Optional integrated differential pressure sensor
- 6 inputs, 6 triac outputs, and 4 universal outputs



STE-9000 Netsensors

- Temperature, Humidity, Motion, and CO2 Sensor Options
- Built-in controller configuration
- Up to 8 can be linked to one controller with use of distribution module



BAC-5051E BACnet Router

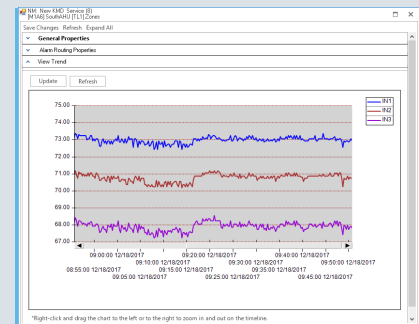
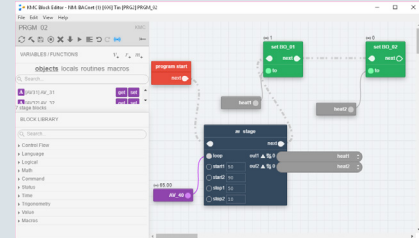
- Route BACnet MS/TP to BACnet IP with ease
- Embedded HTML5 webpages for configuration
- Integrated diagnostics, network capture, and VAV utilities

Full-featured configuration software

KMC Connect is a configuration software tool with which you can configure KMC® BACnet controllers for a building automation system.

Key time-saving features of KMC Connect:

- Build jobs offline and then deploy them on-site with a single click
- Use the wizards to quickly and easily configure alarms, schedules, and trends on native BACnet devices
- Choose from a library of hundreds of HVAC applications, with preconfigured set-ups for KMC controllers and accompanying documentation
- Set up continuous commissioning with the Audit tool
- Quickly balance VAV units with the VAV Balancing tool
- Block and Line editor for Control Basic programming

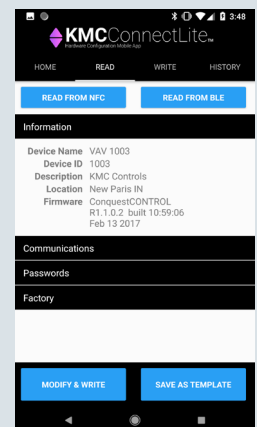


Configure KMC Conquest™ controllers wirelessly

KMC Connect Lite saves up to 75% of your pre-commissioning labor by using NFC (Near Field Communication) technology on your smartphone.

With KMC Connect Lite, you can:

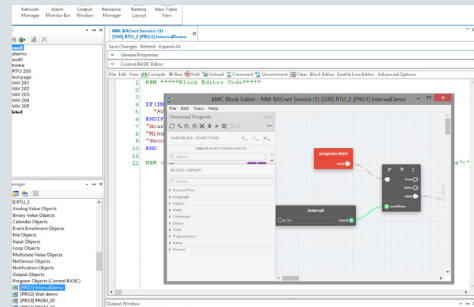
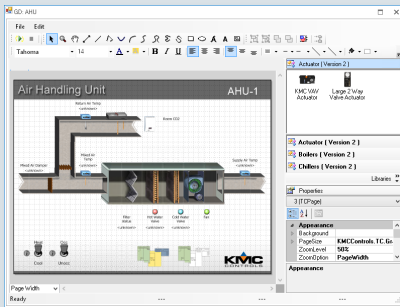
- Interact with KMC Conquest controllers while unpowered and still inside the factory packaging
- Read, Modify, and Write communication and application points
- View Read and Write device information history



Complete building services solution

The TotalControl® 4.0 Building Services applications are a combined software solution for providing facility management. This set of services collects, stores, and routes data between a building automation network and an operator interface or workstation. Once configured with TotalControl Design Studio, operators need only an internet browser for daily building management.

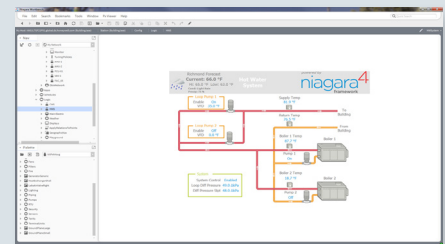
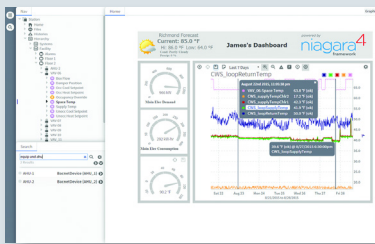
- BTL-certified Advanced Operator Workstation with trends, alarms, and schedules
- Automatic graphic page display with optional kiosk functionality
- Internet browser accessibility



niagara⁴

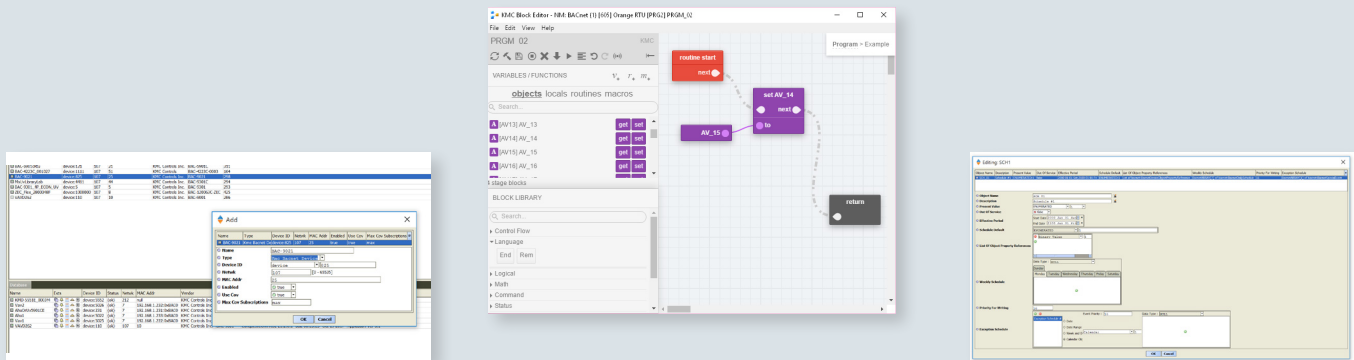
Power at your convenience

Niagara® is a building management system that utilizes an HTML framework to connect embedded devices or systems across a large number of manufacturers and communication protocols. Through the Building Geniuses® at KMC, you can order Niagara, drivers, licenses, and JACE hardware.



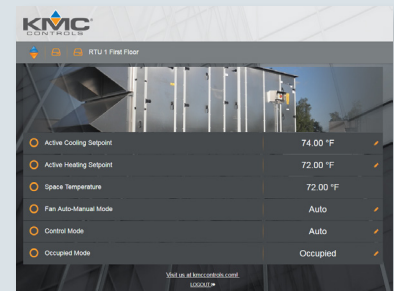
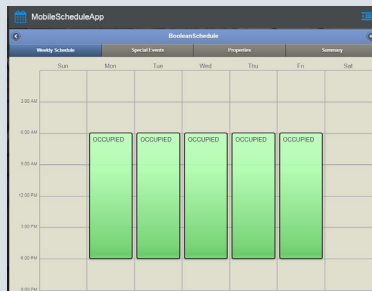
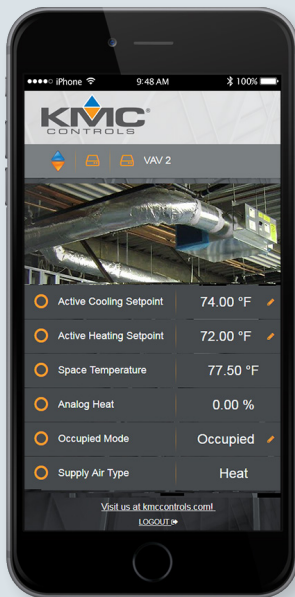
Bring complete KMC customization to Niagara

KMC Converge™ is a software module used with Niagara Workbench to customize KMC BACnet hardware and deploy KMC's application library. You can also use KMC Converge for offline programming with either Line or Block Programming. Using the audit tool, you can capture a baseline for a controller configuration and detect changes in the future.



Easily develop mobile responsive graphics

KMC Converge GFX™ is an advanced HTML5 graphics package for the creation and display of mobile-friendly dashboards. It can be used in conjunction with KMC Converge or any other open brand of Niagara. It allows you to interact with alarms, schedules, histories, and more. You can also create your own style and branding with custom CSS.



KMC FlexStat™

Advanced application controller



Power and flexibility all in one package

The KMC FlexStat™ is a BACnet advanced application controller and room sensor. It is a flexible solution for stand-alone control and BACnet network challenges in any size commercial and industrial building.

FlexStat is available with multiple configurations of inputs and outputs as well as sensing options for humidity, CO2, and motion. Our special ZEC (Zoning Equipment Controller) version of the FlexStat includes a polling routine to determine the heating or cooling needs of individual zone controllers, all without additional software.

Additional features include:

- Built-in applications that are fully customizable for AHU, RTU, HPU, and FCU applications
- Configuration with screen UI
- 72-hour capacitor backed real-time clock
- Equipment status and diagnostics

KMC AppStat™

Application specific controller

Powerful controllers for specific applications

The KMC AppStat™ combines the power of a space-mounted equipment controller with the convenience of built-in temperature, humidity, and motion sensors. The controllers include a wide range of factory-supplied programs for the following applications.

- 2 and 4 pipe Fan Coil Units
- Roof Top Units
- Heat Pump Units
- Packaged and split unitary systems

Additional benefits include:

- Stand-alone operation requiring no configuration software
- Perfect form factor for new or retrofit applications
- Bright, full color display



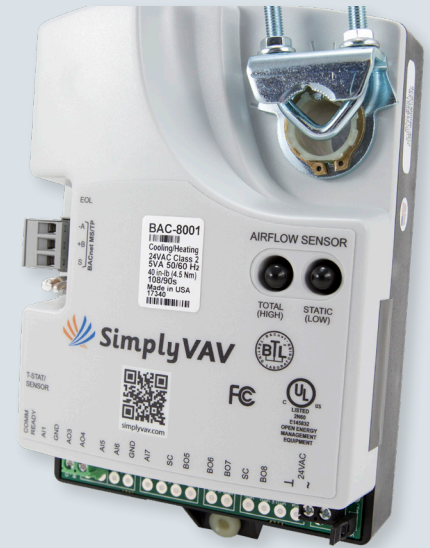
Take the complexity out of it

The SimplyVAV™ controllers are an easy and unique approach to operating a wide variety of VAV terminal units. The integrated actuator, internal airflow sensors, and wide variety of application programs make these BACnet Application Specific controllers ideal for either new or retrofit installations.

The controllers feature simple, menu driven setup choices when used with a SimplyVAV digital sensor. No special programming skills or software tools are required to choose applications, enter setpoints, set network addressing, and balance airflow. All options can be set by using only an STE-8001 digital sensor which can be installed as the permanent room sensor or temporarily connected as a technician's service tool.

All models are BACnet Application Specific Controllers that are ready to connect to a BACnet MS/TP network. Device instance, MAC address, and baud rate are set from an STE-8001 without special software.

- Easy to install, set up, commission, and balance
- Models and options to meet every need and every budget
- BTL-listed



Bring IoT connectivity to your zoning retrofits



VAV CONTROLLER
BAC-8000 Series SimplyVAV

KMC FLEXSTAT™
BAC-120063CW-ZEC

IoT GATEWAY
KMC Commander BX
(WiFi and Cellular options)

(up to 16 per FlexStat)

BACNET ROUTER
BAC-5051E



CHOICE OF
ROOM SENSORS
STE-6000 or STE-8000
Series

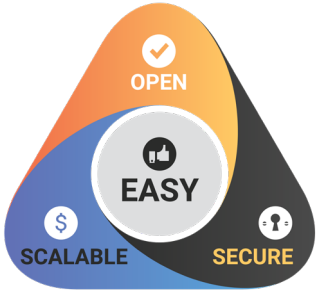


BYPASS ACTUATOR
CSP-4702

Cloud-based personal
dashboards, trends,
schedules and alarms
on all your devices.



Relevant data, real time: The Internet of Things is here



KMC Commander™ is an IoT platform designed to help businesses affordably solve immediate problems while providing a long-term solution for their IoT strategy. In its most basic form, KMC Commander helps to optimize energy usage, increase operational efficiency, maximize occupant comfort, and ensure a safe environment. By utilizing common protocols for sensors, devices, controllers, and building systems, KMC Commander collects data using an on-premise gateway and sends that data to the cloud. It then tracks, trends, and triggers that data based on user preferences, all while making the data available on any device with an internet connection. It does all this securely, while providing an optimized, open platform on which to build.

Open & scalable platform: From a single device to a portfolio of buildings.

KMC Commander is an affordable solution for connecting to existing equipment and easily scales to multiple locations.

Open Device Protocols

KMC Commander communicates over these common protocols:

- BACnet IP
- BACnet MS/TP
- Modbus TCP
- SNMP V1, V2C, and V3
- More coming soon

Unmatched Scalability

KMC Commander is an affordable solution for monitoring a single asset and can easily expand across multiple properties at the enterprise level. Whether you're aggregating data for remote buildings or ensuring energy efficiency for a multi-building campus, KMC Commander scales to meet the needs of any project.

Dashboard Features

Using HTML5, KMC Commander makes it easy to monitor your IoT network. Be it on your desktop, tablet, or smartphone, the modern UI scales to fit your device, showing your data real-time. By displaying key metrics on individual cards and dashboard elements, KMC Commander always shows relevant data responsively.

Learn more at KMCCommander.com



Security: Built-in and prioritized

KMC Commander uses leading technology and best practices to ensure your IoT platform is secure.

Ubuntu Snappy OS:

From limited user and program permissions to the ability to secure boot, Ubuntu provides a secure foundation.

Whitelisting: If you haven't explicitly authorized an IP connection, a physical port, or a process, the hardware and software won't allow it.

Push Communication: To servers or devices, KMC Commander initiates all communication links.

Data Encryption: Data is encrypted at the box and cloud levels, and communicated over SSL/TLS.

Cloud-Only Interface: Remote user interaction with KMC Commander is limited at the cloud level, isolating the physical layer.

Custom User Permissions: Easily customize the levels and groups of users for your platform, limiting the most sensitive interactions to the most appropriate people.

No Back Doors: There are no back doors built into KMC Commander installations, eliminating the threat of compromise-by-design.

Trusted Platform Module (TPM): Encryption keys are stored on a separate chip in the gateway apart from the primary storage & memory.

No Data Masking or Obfuscation: By using best security practices, we choose not to use "security through obscurity."

Key Features:

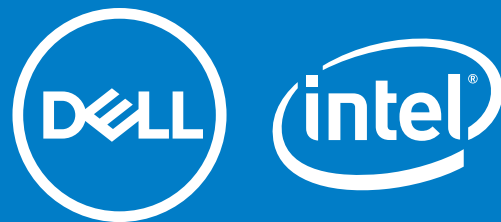
- Track, trend, and trigger your IoT data
- Multiple device protocols supported
- Easily set up alarms and notifications
- KMC Commander BX™ is built on the Dell® Edge Gateway series with Intel® Inside
- Cellular capability available
- Cloud service powered by AWS
- Open API available
- Over a dozen cybersecurity features built-in
- Simple, clean, responsive HTML5 interface
- Setup users with different permissions

KMC Commander BX: Your IoT platform gateway

Built on Dell, the KMC Commander BX is the connection between your IoT network and the cloud. It's constructed to withstand harsh environments and connects directly to a number of port types, adapting to your architecture.

Features and options:

- Intel® Atom processor
- Ethernet and USB ports
- Wi-Fi (WAP or Client)
- Cellular capability
- DIN rail or panel mountable



As we set out to develop the KMC Commander IoT platform, we knew we needed partners who understood the vision and potential of IoT. That's why KMC partnered with tech leaders Intel and Dell. As an Intel IoT Market Ready Solution, a Dell IoT Partner, and with a representative on Intel's North American Board of Advisors, these relationships help shape the features of KMC Commander and the breadth and depth of its benefits and use cases.

Proprietary digital control provided by KMC

KMDigital[®] is a full building automation solution, providing select customers with our proprietary KMD protocol. Complete with programmable controllers, VAV controllers, and wall sensors, the KMDigital product line works across a majority of BAS applications.

Now, with the addition of the KMD-5551 translator (same form factor as our BACnet router), KMDigital controllers can be added as BACnet devices within the Niagara framework. This brings unprecedented flexibility to the KMDigital product line.

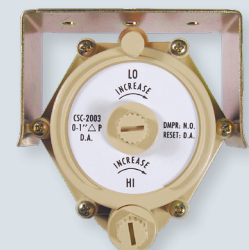
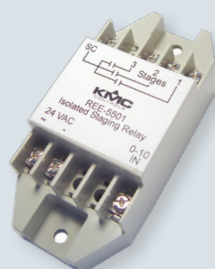
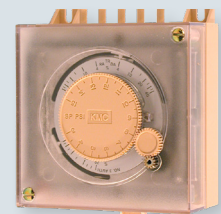
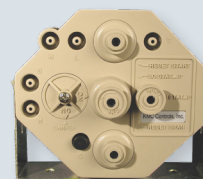


Analog & Pneumatic Controls

Legacy equipment and maintenance

KMC has the legacy products you need

Having been in business since 1969, issued over 40 patents, and an OEM partner for major industry players, we have a vast knowledge base and product offering of legacy and pneumatic solutions.



Actuators & Valves

Product for most applications

Product for most applications

KMC Controls® offers actuators and valves to meet your systems' needs. From digital to pneumatic, KMC has you covered.

Options include:

- Various signal types including proportional (0-10/2-10 VDC selectable), tri-state, and 2 position
- Electronic capacitor-driven fail safe options
- Torque ranges from 10 – 360 in-lbs
- Automated valves use KMC's short mount for space saving and quick decoupling



Peripherals

Solutions to meet your needs

Industry leading peripherals from top suppliers

KMC partners with multiple industry-leading manufacturers to bring you additional system components needed for your jobs. From sensors to meters to touch displays, these partners include:



- Power Monitoring
- Leak detection
- Flow meters



- Temperature, Humidity, and Gas
- Current and Power Monitoring
- Wireless sensors and more



- Wireless touchscreen thermostats
- Zigbee™ and EnOcean™ to BACnet gateway
- Related Zigbee peripherals

KMC Controls Building Geniuses® since 1969

Founded in 1969, KMC Controls is an American manufacturer of open, secure, and scalable building automation and technology solutions. From secure hardware devices to smart and connected software, KMC delivers embedded intelligence and optimized control. Committed to providing innovative and intuitive solutions from responsive and supportive people, KMC teams up with leading technology providers, helping customers increase operating efficiency, optimize energy usage, maximize comfort, and improve safety.



OPEN

Seamless integration with existing infrastructure.

SECURE

Industry-leading security from Intel®, Dell, and more.

SCALABLE

Affordable for single buildings or enterprise applications.

EASY

We bring you the information and control you need, when and where you need it.



Learn more about our entire product line at:

KMCControls.com



Project Haystack
Associate Member

KMC is a proud member of these collaborative initiatives working together to standardize and streamline the sharing of data for IoT.

EDGE X FOUNDRY™
Founding Member