Providing Innovation and Quality for 40 Years

Contemporary Controls has been designing and manufacturing network automation devices for 40 years. System Integrators have depended on us over the years to provide them with or durable and inexpensive BASautomation – Building on BACnet and CTRlink – Ethernet Built for Buildings products.

Today, Contemporary Controls continues to expand its product portfolio by introducing Wi-Fi and cellular connectivity to its IP routers using OpenVPN technology and a cloud-based service to assist system integrators. The Automation Switch series is introduced with 24 and 16-port switches and support for Power over Ethernet (PoE). Support for existing ARCNET customers continues with the introduction of a PCI Express ARCNET adapter for use in modern high-speed PC motherboards. The BAScontrol20 is introduced as a truly open unitary controller supporting both BACnet/IP and Sedona Framework.

Recently in the year, Contemporary Controls was honored by receiving Control Trends (CTA) Peripheral Product of the Year award for the BASrouter while George Thomas was inducted to CTA's Hall of Fame.

Contemporary Controls, with sales and distribution offices in the United Kingdom and Germany and manufacturing locations in China and the United States, remains committed to serving its automation customers worldwide. Let us know how we can help you and we'll come up with an economical, long-lasting solution.

Contemporary Controls continues to grow from the result of treating people right —by providing quality, low-cost network devices that fulfill customer requirements —exactly what we set out to do 40 years ago. **www.ccontrols.com**

40 years in control

Product of the Year

BASrouters

Peripheral Category CTA Awards 2014

BASautomation® Building on BACnet®

CTRLink® Ethernet Built for Buildings

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CONTEMPORARY CONTROLS®

EasyIO

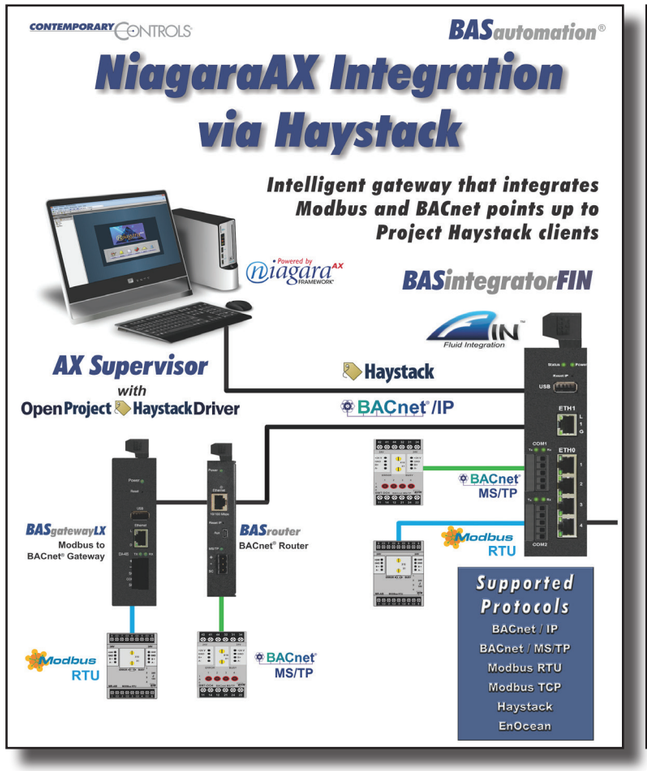
Next World-wide Controls Event
September 21 - 23, Paris

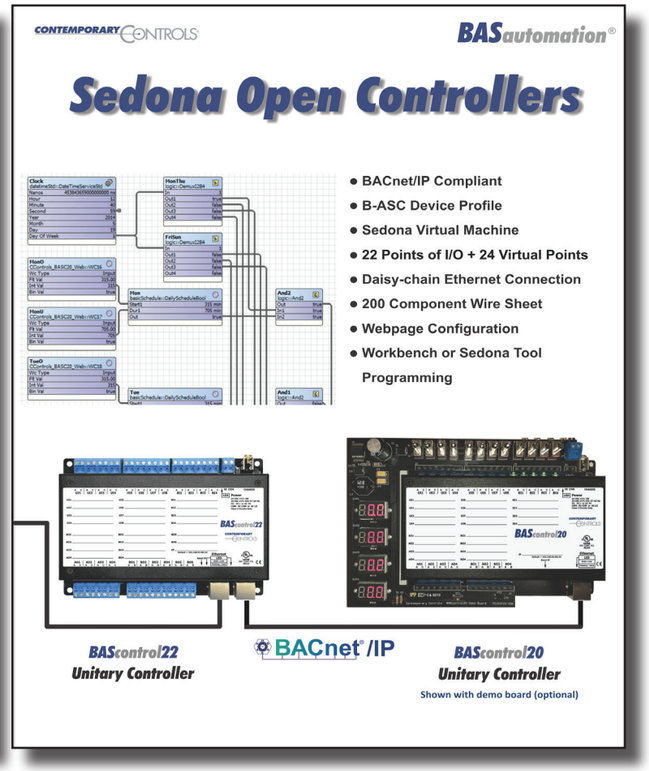
Thank you for visiting Contemporary Controls during the recent Easy IO Next World-wide Controls event. In case we weren't able to answer all of your questions about our BASautomation and CTRLink products, we encourage you to visit our website at **www.ccontrols.com** to learn more about our proven solutions for the building automation industry.

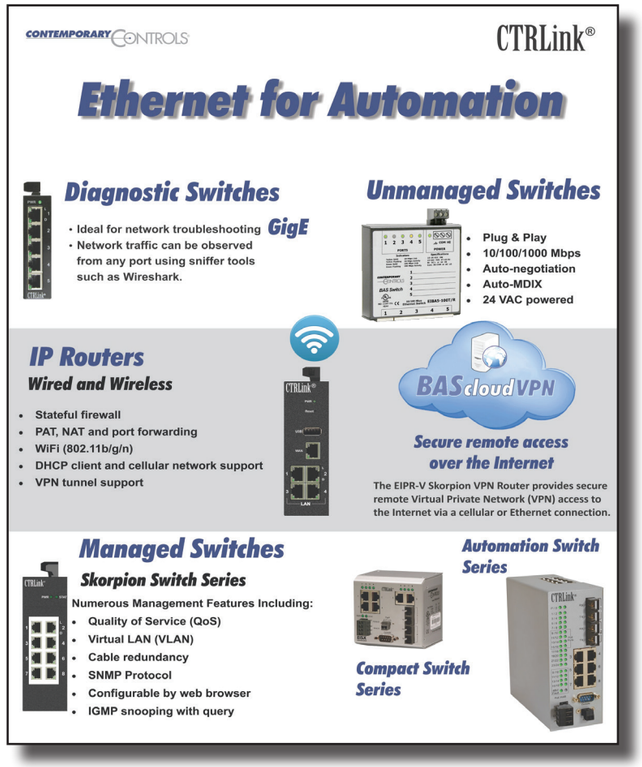
Contemporary Controls serves the building automation industry with products based upon open standards such as BACnet, Modbus and Ethernet. Our customers are systems integrators, contractors and mechanical and controls OEMs seeking simple and reliable networking and control products from a dependable source. BASautomation®– Building on BACnet® provides routing, gateway and control solutions compatible with an internationally recognised building automation standard. CTRLink® – Ethernet Built for Buildings consists of unmanaged and managed switches, media converters, and wired and wireless IP routers. These products are designed for unattended operation in environments not conducive to office grade equipment. With headquarters based in the US, we have operations in the UK, Germany and China with self-manufacturing in the US and China.

40 years in control

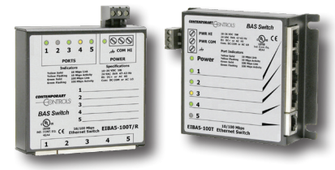
CONTEMPORARY CONTROLS®







Skorpion Unmanaged Ethernet Switches



BASswitch Low-Profile Switches

Managed Ethernet Switches

PoE Injector or Splitter

Wired or Wireless IP Routers

Ethernet Media Converters

Fire and Smoke Rated Switches

The BASintegratorFIN uses a subset of J2innovations's FIN stack to create a powerful, yet flexible intelligent gateway that integrates Modbus and BACnet points up to Project Haystack clients. The BASintegratorFIN will also buffer trend data for the supervisor to help in case of network or supervisor issues.

Built on Contemporary Controls' open automation Linux platform, the BASintegratorFIN can discover points and apply Haystack tags to serve up to building supervisors such as Niagara's AX Supervisor. Using an open and free Haystack driver in the AX Supervisor, the AX Supervisor only needs to know the IP address of the BASintegratorFINs in the network for a seamless interface to all points on a job regardless of the type of point. The result is an inexpensive, yet modern approach to building automation where access to structured data is critical.

Project Haystack is an open-source initiative that incorporates a data model that creates structure to this data through naming conventions. The tagging convention is driven through public comment. Using Project Haystack conventions, the BASintegratorFIN not only provides structure to data but captures the data in a cost-effective manner while delivering tagged field data up to building supervisors.

The BAScontrol22 Unitary Controller is a good example of an open controller in that it embodies the attributes of an open controller as defined by Contemporary Controls. It is BACnet/IP compliant and incorporates a Sedona Virtual Machine. It can be programmed using Niagara Workbench or with a Sedona Tool. It is available to any systems integrator without restriction.

By having an Ethernet connection, the BASC22 can easily connect to Niagara Workbench or a Sedona Tool for programming or to a web browser for configuration. A built-in 10/100 Mbps Ethernet switch allows for a daisy-chain connection to the next-in-line controller or to a building supervisor. Besides having 66 Sedona components from Tridium, it has 100 custom components from Contemporary Controls. These include 48 web components that can be viewed and manipulated by a web browser, and 24 virtual points that can be read or written by a BACnet client.

The BAScontrol20 Demo Board is ideal for training and simulation by having inputs and outputs pre-wired to physical points. Applications can be tested before being deployed in the field.

Contemporary Controls manufactures a line of Ethernet switches that fit nicely in the panel with other automation equipment. Our diagnostic switch easily allows tools such as Wireshark® to capture the communications between Ethernet connected automation devices. Standard switches will not allow protocol analyzers such as Wireshark® to capture most of the communications between Ethernet devices. The diagnostic switch will allow a PC running Wireshark® to capture all communications between connected devices. Our compact 5 port switch, can expand the controller's number of connections – allowing for the configuration and /or programing of controllers without needing to remove cables.

Some building automation supervisors can be used to monitor Ethernet networks using Simple Network Management Protocol (SNMP). All Contemporary Controls' managed Ethernet switches support SNMP. The managed switches incorporate an SNMP agent that provides a wealth of information on the health of the network. With a SNMP client or Network Management Station, you can query the SNMP agents in managed switches — turning the building automation supervisor into a manager.

For wireless network communications, our EIPR-E router can be used to create a WiFi access point for building automation controllers allowing WiFi devices to communicate with it. The EIPR-E IP router is perfect for automation systems and for job sites that require IP router wireless access. Wireless connectivity is accomplished through the USB port. For more information visit:
www.ctrlink.com