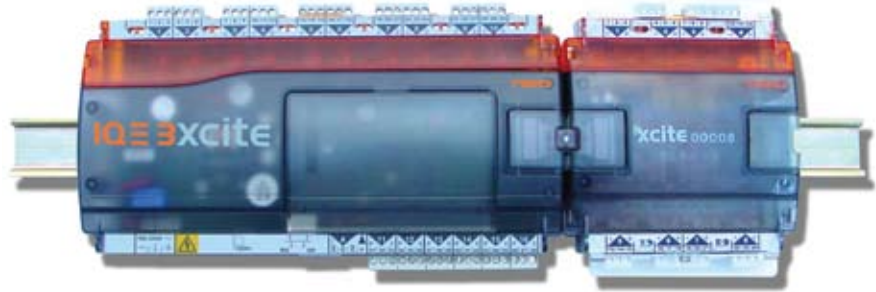


## Features and Highlights

- BACnet-enabled and adjustable BACnet priorities
- Ethernet (10Mbps) network with TCP/IP protocol
- Embedded Web server
- Secure monitoring and control from a Web browser
- 10 universal inputs and 6 analog outputs
- Expandable to 128 points using optional I/O modules
- EIA-232 local supervisor port
- Local display (SDU-xcite)
- Small footprint with DIN-rail mounting
- Multiple language support
- Support for XML Web services



The Trend IQ3xcite is a Web-enabled building automation system (BAS) controller that uses Ethernet, TCP/IP and BACnet/IP networking technologies. In addition to the standard IQ protocol, the IQ3xcite incorporates a Web server, which can deliver user-specific Web pages to a personal computer or mobile device with Internet browser software. This allows you to monitor or adjust the IQ3xcite controller from any Internet access point in the world.

As a BACnet-enabled controller, the IQ3xcite integrates seamlessly with a BACnet system, communicating on a BACnet IP LAN at up to 10 Mbps. Users also have the option of turning off the BACnet option if not required and are using the IQ3xcite with the MS/TP IP router.

The XML Web services feature enables you to program many standard software packages to communicate directly with the IQ3xcite, improving operations and communications, and reducing engineering time.

The IQ3xcite controller is DIN-rail mounted and has 10 inputs and 6 outputs (expandable up to 128 points using I/O modules) allowing for compatibility with a wide range of HVAC and other control and monitoring applications. Use the EIA-232 port on the IQ3xcite to connect to a personal computer or display (SDU-xcite).

## Technical Data

- **Power** 24 to 36 VDC +/- 10%, 24 VAC +/- 15% 50/60 Hz, 40 VA max.

- **Universal Inputs** 10 universal inputs on channels 1–10. Linkable for analog voltage (V), analog current (I), thermistor (T), or digital (D).

V = 12 bit resolution. Minimum 60 dB series mode rejection at supply frequency. 0–10 V, input resistance 200k ohm, accuracy 50 mV equivalent to +/- 0.5% of span.

I = 12 bit resolution (4096 steps–effective). Minimum 60 dB series mode rejection at supply frequency. 0–20 mA, input resistance 240 ohm, accuracy 0.5% of span. Loop powered input supply is 20–36 VDC.

T = 12 bit resolution. Minimum 60 dB series mode rejection at supply frequency. Thermistor bridge resistor 10k ohm 0.1%, accuracy 0.5% of span. Bridge supply 5 V.

D = Dry contact. Count rate 30 Hz (minimum pulse width of 20 ms). Wetting current = 3 mA nominal. 5V supply. Status LED per channel (ON = closed contact).

- **Analog Voltage Outputs** 6 voltage outputs on channels 11–16. 11 bit resolution. 0–10 V with 20 mA current limit, accuracy +/- 0.5% of span.
- **Memory** 16 Mbyte SDRAM and 8 Mbyte Flash.
- **Controller Dimensions** 10.35" (263mm) x 5.91" (150mm) x 1.81" (46mm).
- **Environmental** 32–113°F (0–45°C). 0–90% RH, non-condensing. Controller and I/O modules should be mounted inside enclosures.
- **Communications** BACnet IP Lan up to 10 Mbps.
- **Ratings** Listed Underwriters Laboratory for Energy Management Equipment under the UL Standard for Safety 916. U.S. and Canadian certification.

## Ordering Information

Product number	Description
IQ3 -4032K4000	IQ3XCITE/000/XNC/LAN/US/UL/BAC/24 - IQ3XCITE/00 XNC for Ethernet integration on Trend LAN with BACnet Comms (24Vac)
IQ3 -4062K4000	IQ3XCITE/000/XNC/SER/US/UL/BAC/24 - IQ3XCITE/00 XNC for Serial (non-isolated RS232, RS422 or RS485) integration with BACnet Comms (24Vac)
IQ3 -4022K4000	IQ3XCITE/000/XNC/US/UL/BAC/24 - IQ3XCITE/00 XNC for Ethernet integration with BACnet Comms (24Vac)
IQ3 -4012K4016	IQ3XCITE/016/LAN/US/UL/BAC/24 - 16 point IQ3xcite LAN controller with BACnet Comms (24Vac)
IQ3 -4002K4016	IQ3XCITE/16/US/UL/BAC/24 - 16 point IQ3xcite controller with BACnet Comms (24Vac)
IQ3 -4012K4096	IQ3XCITE/096/LAN/US/UL/BAC/24 - 96 point IQ3xcite LAN controller with BACnet Comms (24Vac)
IQ3 -4002K4096	IQ3XCITE/096/USA/UL/BAC/24 - 96 point IQ3xcite controller with BACnet Comms (24Vac)
IQ3 -4032K4096	IQ3XCITE/096/XNC/LAN/US/UL/BAC/24 - IQ3XCITE/96 XNC for Ethernet integration on Trend LAN with BACnet Comms (24Vac)
IQ3 -4062K4096	IQ3XCITE/096/XNC/SER/US/UL/BAC/24 - IQ3XCITE/96 XNC for Serial (non-isolated RS232, RS422 or RS485) integration with BACnet Comms (24Vac)
IQ3 -4022K4096	IQ3XCITE/096/XNC/US/UL/BAC/24 - IQ3XCITE/96 XNC for Ethernet integration with BACnet Comms (24Vac)
IQ3 -4002K4128	IQ3XCITE/128/US/UL/BAC/24 - 128 point IQ3xcite controller with BACnet Comms (24Vac)
IQ3 -4012K4128	IQ3XCITE/128/LAN/US/UL/BAC/24 - 128 point IQ3xcite LAN controller with BACnet Comms (24Vac)
ITEM3-2100K000040	XCITE/IO/USA/UL/4DO/HOA - IQ3xcite Module - 4 Relay Outputs with Hand/Off/Auto switches
ITEM3-2100K000080	XCITE/IO/USA/UL/8DO/HOA - IQ3xcite Module - 8 Relay Outputs with Hand/Off/Auto switches
IQUGR-310200	IQ3XCITE/XML/UP - Upgrade to add XML services to IQ3xcite v2.2 or greater

## Trend Control Systems