i-Vu® Building Automation System
TruVu™ Compact Router
Part Number: TV-CRB-E2



The TruVu Compact Router (TV-CRB-E2) features dual IP ports for convenient daisy-chain deployment and offers robust routing capabilities between BACnet®/IP, BACnet Ethernet, and BACnet MS/TP networks. It also features a compact footprint for more flexible system design.

Hardware Features

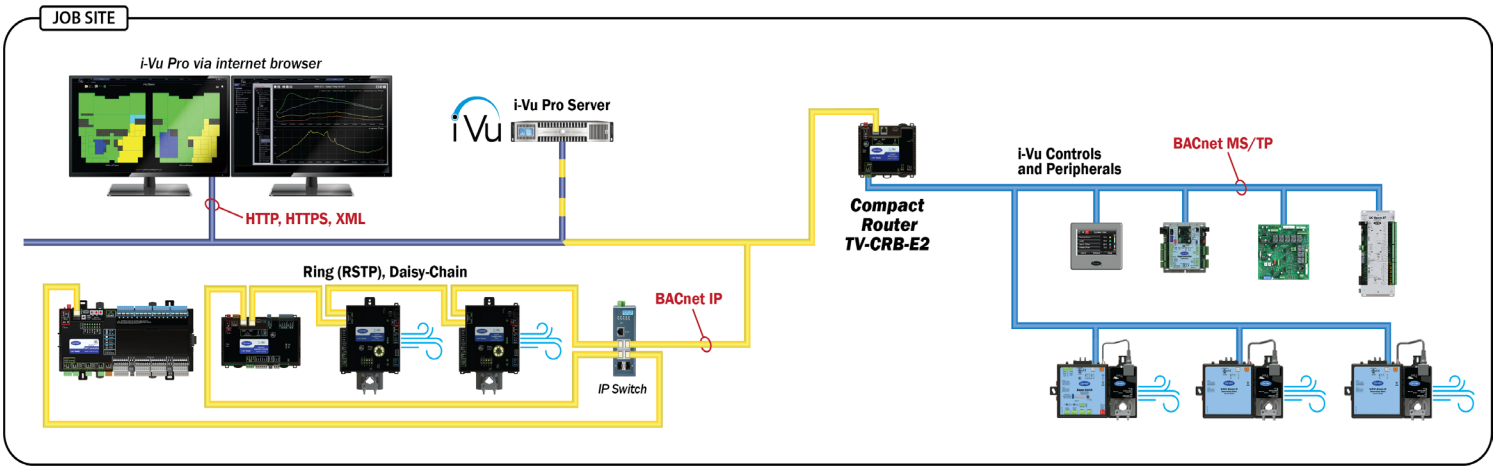
- Supports IPv4
- Two 10/100 Mbps ethernet ports with fail-safe relay
- One optically isolated MS/TP port, supporting speeds from 9.6 to 115.2 Kbps
- USB service port for local service: connect PC via a hard-wired connection or wirelessly using a USB-W adapter
- Compact footprint simplifies installation and optimizes panel space

BACnet Features

- BACnet Testing Laboratories (BTL) certified
- Conforms the BACnet Router B-RTR and BBMD standard device profile
- Supports BACnet routing between BACnet/IP, BACnet/Ethernet and BACnet/MSTP networks
- Can serve as a BACnet Broadcast Management Device (BBMD)
- Supports BACnet Foreign Device Registration (FDR)

System Benefits

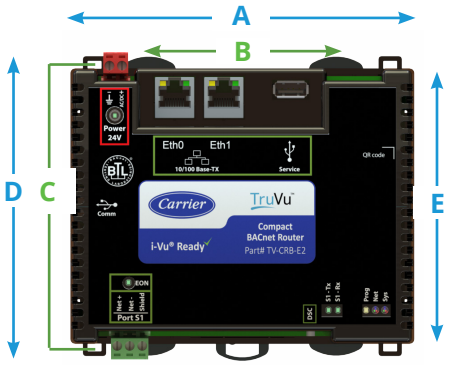
- Connects seamlessly to the i-Vu building automation system



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Specifications

BACnet Support	Conforms to the BACnet Router (B-RTR) and BACnet Broadcast Management Device (B-BBMD) Standard Device Profile as defined in ANSI/ASHRAE Standard 135-2016 (BACnet) Annex L, Protocol Revision 15
Power Requirements	24 Vac ± 10%, 50-60 Hz, 50 VA 24 Vdc ± 10%, 18 W
Communication Ports	**Eth0,Eth1:** 10/100 BaseT, full duplex, Ethernet ports with built-in fail safe. Supports direct connection or daisy chain topology natively using BACnet/IP and/or BACnet Ethernet communication. **Port S1:** EIA-485 port for BACnet MS/TP communication network at 9,600 to 115,200 bps An End of Net switch can be turned on to terminate the network segment. **Service port:** USB 2.0 host port for setting up the router and troubleshooting through a local connection to a computer, connecting to the TruVu™ Equipment Touch, or the Carrier USB Wireless service adapter.
Protection	Device is protected by a replaceable, fast acting, 250Vac, 3A, 5mm x 20mm glass fuse. The power and network ports comply with EMC requirements EN50491-5-2.
Real Time Clock	Real-time clock keeps track of time in the event of a power failure for up to 3 days.
LED Status Indicators	Tricolor **NET** LED to show network status / Tricolor **SYS** LED to show system status/**POWER** LED/**S1 EON** LED/A **TX** (Transmit) and **RX** (Receive) LED for: Port S1
Router Addressing	Webserver interface
Environmental Operating Range	-40 to 158°F (-40 to 70°C), 10-95% relative humidity, non-condensing The TV-CRB-E2 is suitable for installation inside or outside the building envelope. It should be placed in a UL Listed enclosure. If installed outside, the enclosure must be suitable for the environmental conditions.
Compliance	United States of America: FCC compliant to Title CFR47, Chapter 1, Subchapter A, Part 15, Subpart B, Class A; UL Listed to UL 916, PAZX, Energy Management Equipment; Canada: Industry Canada Compliant, ICES-003, Class A cUL Listed UL 916, PAZX7, Energy Management Equipment; EN50491-5-2:2009; Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment RoHS Compliant: 2015/863/EU REACH Compliant; Australia and New Zealand: C-Tick Mark, AS/NZS 61000-6-3
Physical	Fire-retardant plastic ABS, UL94-5VA
Mounting	35mm DIN rail mounting or screw mounting
Dimensions	**Overall** **A:** 5.51 in. (14 cm) **D:** 5.88 in. (14.93 cm) **E:** 4.41 in (11.20 cm) **Depth:** 2.01 in. (5.11 cm) **Weight:** .75 lbs. (.3402 kg) **Mounting** **B:** 3.00 in. (7.62 cm) **C:** 5.29 in. (13.44 cm)



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