The i-Vu® Building Automation System provides everything you need to access, manage, and control your building, including the powerful i-Vu user interface, plug-and-play BACnet® controllers, and state-of-the-art Carrier equipment.

The i-Vu® XT Router routes BACnet messages between the i-Vu building automation system backbone (BACnet/IP), and a subnetwork of i-Vu controllers (BACnet MS/TP and/or BACnet ARCnet). It connects directly to the Ethernet LAN and provides the i-Vu web server with access to the entire i-Vu system.

The i-Vu XT Router also extends an i-Vu system, allowing individual BACnet MS/TP networks (with up to 60 controllers each), and BACnet ARCnet networks (with up to 99 controllers each), to be connected together via the i-Vu building automation system backbone.

The i-Vu® Building Automation System

- **Web Browser**
- **i-Vu® Web Server**
- **Tablets**
- **Mobile Devices**
- **i-Vu XT Router**
- **BACnet MS/TP Network**
- **BACnet MS/TP or BACnet ARCnet Network**
- **VAV Zone Unit**
- **Sensor Network**
- **VAV Air Source (AHU or RTU)**
- **Chiller**
- **UC Open XP**
- **Hardwired Equipment**

**Up to 60 i-Vu Controllers per BACnet MS/TP network**
**Up to 99 i-Vu Controllers per BACnet ARCnet network**
# i-Vu® Building Automation System

## i-Vu® XT Router

**Part Number:** XT-RB

### Power Requirements
24VAC ± 10%, 50-60Hz, 50 VA
26VDC ± 10%, 15W

### Communication Ports
- **Gig-E:** 10/100/1000 BaseT Ethernet port for BACnet/IP and/or BACnet/Ethernet communication
- **ARC/MSTP:** High-speed EIA-485 port for connecting one of the following network types:
  - BACnet ARCnet network at 156 kbps
  - BACnet MS/TP network at 9.6, 19.2, 38.4, 57.6, 76.8, or 115.2 kbps
- **MSTP:** Electrically isolated EIA-485 port for connecting BACnet MS/TP network at 9.6, 19.2, 38.4, 57.6, 76.8, or 115.2 kbps. An **End of Net** switch can be turned on to terminate the network segment.
- **Local Access:** 10/100 Base T Ethernet port for system start-up and troubleshooting.

### Protection
Device is protected by a replaceable, fast acting, 250Vac, 2A, 5mm x 20mm glass fuse. The power and network ports comply with the 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
- **A TX (Transmit) and RX (Receive) LED** for:
  - Gig-E port
  - ARC/MSTP port
  - MSTP port

### Router Addressing
Rotary DIP switches set address of router

### Environmental Operating Range
- **Operating:** 32 to 140°F (-18 to 60°C); 10 to 90% RH, non-condensing
- **Storage:** -24 to 140°F (-30 to 60°C); 10 to 90% RH, non-condensing

### Compliance
- **United States of America:** FCC compliant to Title CFR47, Chapter 1, Subchapter A, Part 15, Subpart B, Class A; UL listed to UL916, PAZX, Energy Management Equipment
- **Canada:** Industry Canada Compliant, ICES-003, Class A; cUL listed UL 916, PAZX and Energy Management Equipment
- **Australia and New Zealand:** C-Tick Mark, AS/NZS 61000-6-3;

### Physical
- **Fire-retardant plastic ABS, UL94-5VA**

### Dimensions
- **Overall:**
  - **A:** 7.1" (18.03 cm)
  - **B:** 6.95" (17.65 cm)
- **Mounting**
  - DIN rail mount or screw mount
  - **C:** 6.45" (16.38 cm)
  - **D:** 4.1" (10.4 cm)
  - **Depth:** 2.79" (7.09 cm)
- **Weight:** 1.1 lbs. (.482 kg)

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