i-Vu® Building Automation System
i-Vu® XT Router
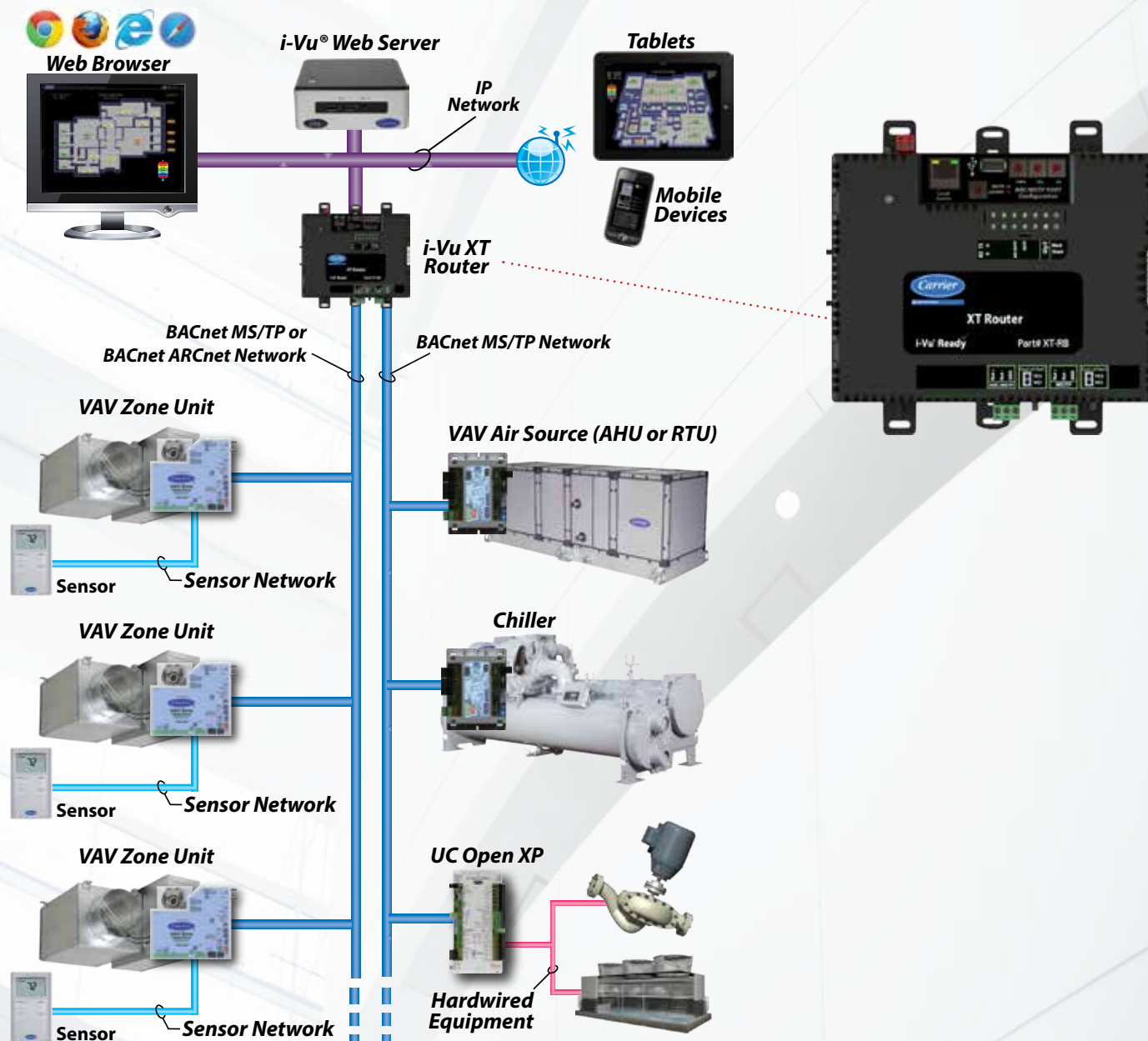
Part Number: XT-RB

Carrier

United Technologies

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

IP Network

Mobile Devices

i-Vu XT Router

XT Router

i-Vu® Ready   Part# XT-RB

BACnet MS/TP or BACnet ARCnet Network

BACnet MS/TP Network

VAV Zone Unit

VAV Air Source (AHU or RTU)

Sensor   **Sensor Network**

VAV Zone Unit

Chiller

Sensor   **Sensor Network**

VAV Zone Unit

UC Open XP

Sensor   **Sensor Network**

Hardwired Equipment

Up to 60 i-Vu Controllers per BACnet MS/TP network
Up to 99 i-Vu Controllers per BACnet ARCnet network

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
	An **End of Net** switch can be turned on to terminate the network segment.
	
	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:** 0 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 **Europe:** CE mark, EN50491-5-2:2009 , Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment; EN50491-3: 2009, Part 3: Electrical safety requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS); Low Voltage Directive: 2006/95/EC; RoHS Compliant: 2011/65/EU **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)
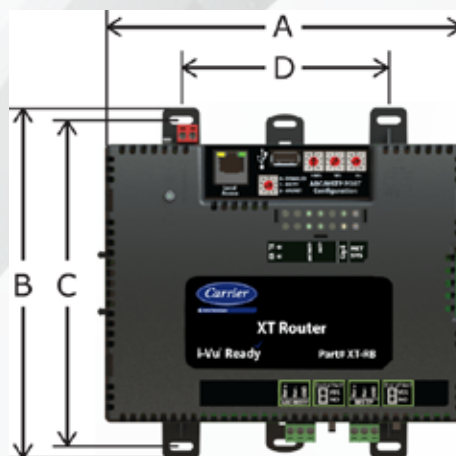
For more information, contact your local Carrier Controls Expert.
Controls Expert Locator:
www.carrier.com/controls-experts