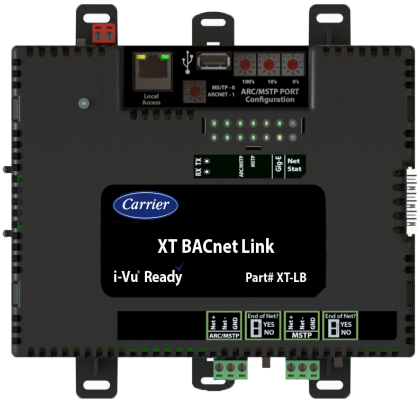
i-Vu® Building Automation System

i-Vu XT BACnet Link

Part Number: XT-LB

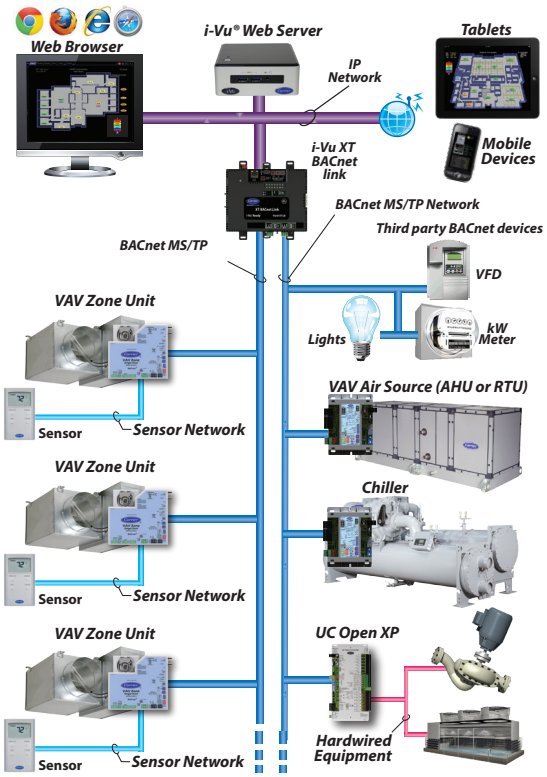


The i-Vu® XT BACnet link allows you to integrate other manufacturers' equipment into the i-Vu building automation system using BACnet and/or Modbus protocols, making it easy to tie in equipment such as VFDs, boilers, and lighting systems. Each i-Vu XT BACnet link supports up to 1,500 third party BACnet points and up to 500 Client/Server Modbus points using Modbus/IP or Modbus RTU protocols.

The i-Vu® XT BACnet link also routes BACnet messages between the i-Vu building automation system backbone (BACnet/IP), and a subnetwork of i-Vu controllers (BACnet MS/TP). 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 BACnet link also extends an i-Vu system, allowing individual BACnet MS/TP networks (with up to 60 controllers each) to be connected together via the i-Vu building automation system backbone.

The i-Vu® Building Automation System



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

VFDs

Boilers

Lighting

i-Vu® Building Automation System

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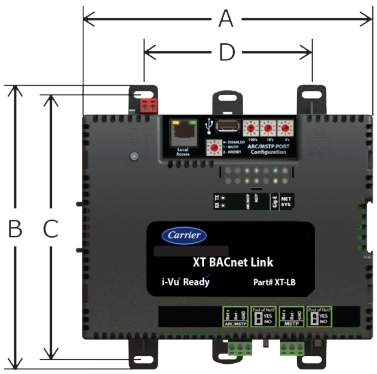
Specifications

BACnet Support	Conforms to the BACnet Building Controller (B-BC), BACnet Router (B-RTR), and BACnet BBMD (B-BBMD) device profiles as defined in BACnet 135-2012 Annex L, Protocol Revision 14
Power Requirements	24 VAC ± 10%, 50-60Hz, 50 VA 26 VDC ± 10%, 15W
Communication Ports	**Gig-E:** 10/100/1000 BaseT Ethernet port for BACnet/IP, BACnet/Ethernet and/or Modbus/IP networks **S1 MSTP:** High-speed EIA-485 port for connecting one of the following network types: BACnet MS/TP or Modbus RTU network at 9.6, 19.2, 38.4, 57.6, 76.8, 115.2 kbps **S2 MSTP:** Electrically isolated EIA-485 port for connecting BACnet MS/TP or Modbus RTU network at 9.6, 19.2, 38.4, 57.6, 76.8, 115.2 kbps **S1 and S2 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, 250 Vac, 2A, 5 mm x 20 mm glass fuse. The power and network ports comply with the EMC requirements EN50491-5-2.
Integration	Maximum 1500 third-party BACnet points (BACnet/IP, BACnet MS/TP, or BACnet ARCnet) Maximum 500 client or server Modbus points (Modbus/IP, Modbus RTU) Maximum 999 control programs or available memory
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, and MSTP port
Router Addressing	Rotary DIP switches set address of router
Compliance	**United States:** FCC compliant to Title CFR47, Part 15, Subpart B, Class A; UL Listed, File E143900; CCN PAZX, UL 916, Energy Management Equipment; **ANZ:** RCM Mark AS/NZS 61000-6-3; **Canada:** UL Listed File E143900, CCN PAZX7, CAN/CSA C22.2 No. 205 Signal Equip., Industry Canada Compliant ICES-003, Class A; **CE** Mark Compliant with 2014/30/EU, and RoHS Compliant: 2015/863/EU; **UKCA** Mark compliant with Electromagnetic Compatibility Regulations 2016 – Gov.UK and and RoHS for Electrical and Electronic Equipment 2012.
Environmental Operating Range	**Operating:** 32 to 140ºF (-18 to 60ºC); 10 to 90% RH, non-condensing **Storage:** -24 to 140ºF (-30 to 60ºC); 10 to 90% RH, non-condensing
Physical	Fire-retardant plastic ABS, UL94-5VA
Dimensions	**Overall** **A:** 7.1 in. (18.03 cm) **B:** 6.95 in. (17.65 cm) **Mounting** DIN rail mount or screw mount **C:** 6.45 in. (16.38 cm) **D:** 4.1 in. (10.4 cm) **Depth:** 2.79 in. (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