i-Vu Link

Carrier®
Turn to the Experts.℠

The i-Vu Link is an integral part of your total Carrier system. The i-Vu Link connects easily to Carrier equipment and has all of the capabilities of an i-Vu CCN Router, plus it can integrate to other manufacturer's equipment. Support for BACnet, Modbus, and LonWorks protocols are standard, making it easy to view live data from third party equipment inside of i-Vu CCN.

The i-Vu Link has one EIA-485 port for connecting to the CCN network, and one jumper-configurable EIA-232/EIA-485 port for connecting to a third party network. It also has one 10/100Base-T Ethernet port for connecting to the building LAN and/or other third party TCP/IP networks. Each i-Vu Link can connect to up to 140 CCN devices and supports up to 250 third party integration points. The i-Vu Link also stores trend data and time schedules for the devices that are connected to it.
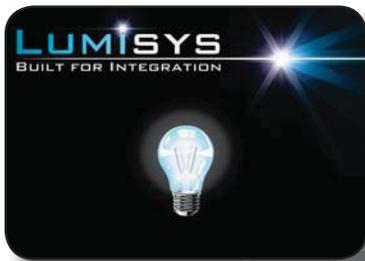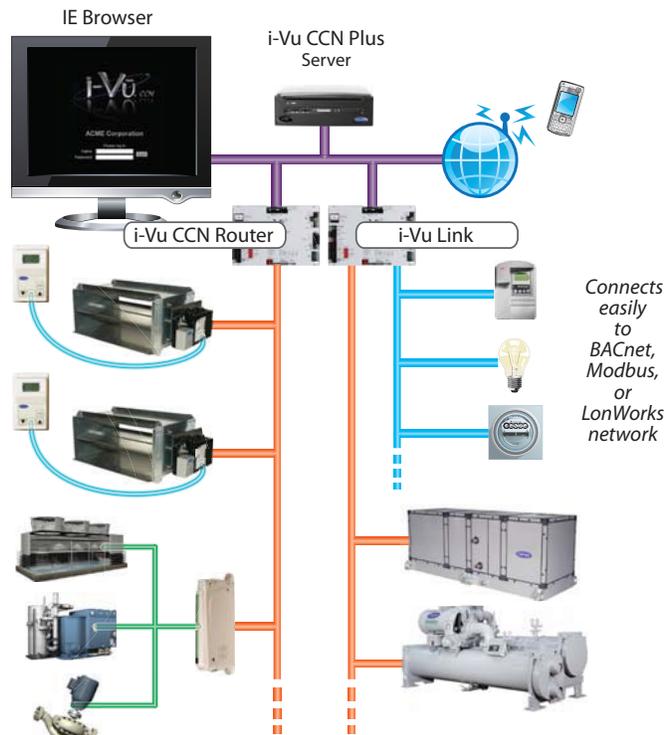
VFDs

Boilers

Lighting

LUMISYS
BUILT FOR INTEGRATION

Your Total Carrier System

IE Browser

i-Vu CCN Plus Server

i-Vu CCN Router

i-Vu Link

Connects easily to BACnet, Modbus, or LonWorks network

Up to 140 CCN devices per Router or Link
Up to 250 third party points per i-Vu Link
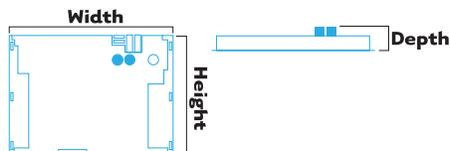
Specifications

Features and Benefits

- Includes all i-Vu CCN Router functionality - can be easily configured as a CCN Gateway or CCN Bridge
- Fully compatible with Network Service Tool for commissioning and setting static IP addresses
- Additional integration capabilities allow you to manage the equipment that compliments your Carrier system, such as lighting, boilers, fire, and security
- Supports industry standard open protocols of BACnet, Modbus, and LonWorks*
- 10/100Base-T Ethernet port connects directly to building LAN, and to other third party BACnet IP and Modbus TCP/IP networks
- Third party serial port connects directly to any BACnet MS/TP, Modbus, or LonWorks* network

  *requires Serial LonTalk Adapter (SLTA-10), available from Echelon Corporation.

Communication Ports	10/100BaseT Ethernet Port E1: LAN, BACnet IP, and/or Modbus TCP/IP communications Port S1: EIA-485 for CCN Network and/or CCN Service Tool connection (9600 & 38400 baud) Port S2: Configurable EIA-485/EIA-232 for third party network connections, including: • BACnet MS/TP @ 9600, 19200, 38400, & 76800 baud • Modbus (RTU & ASCII modes) @ 9600, 19200, 38400, and 76800 baud • LonWorks (requires SLTA-10 adapter) @ 38400 & 57600 baud
Microprocessor	32-bit Motorola Power PC microprocessor with cache memory, Fast Ethernet controller, and high performance 32-bit communication co-processor.
Memory	16MByte non-volatile battery-backed SDRAM (with 12 MBytes available for use), 8 MByte Flash memory, 32-bit memory bus. Shelf life of battery is 10 years with 720 hours of continuous operation.
Real-time Clock	Battery-backed real-time clock
Status Indicators	LED status indicators for EIA-485 CCN communication, Ethernet port communication, and low battery status. 7-segment status display for running, error, and power status.
Protection	Built-in surge and transient protection circuitry for communications
Listed by	UL916 (Canadian Std C22.2 No. 205-M1983), CE, FCC Part 15 – Subpart B – Class A
Environmental Operating Range	-20ºF to 140ºF (-29ºC to 60ºC); 10 to 90% relative humidity, non-condensing NOTE: i-Vu Links must be installed within the building envelope.
Power Requirements	24VAC ± 10%, 50 to 60 Hz, 24VA, or 26VDC, ± 10%, 10W
Physical	Rugged aluminum cover. Removable screw terminal blocks.
Weight	1.4 lb. (.635 kg)

Dimensions

Overall
Width: 11-5/16" (287mm)
Height: 7-1/2" (190mm)
Depth: 2-3/4" (70mm)
        min. panel depth

Mounting*
Width: 10-13/16" (275mm)
Height: 5" (127mm)

*For indoor use only.

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