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# i-Vu CCN Router

The i-Vu CCN Router provides scalability for larger Carrier systems. It connects an Ethernet-based Local Area Network (LAN) to the Carrier Comfort Network (CCN). The i-Vu CCN Router can be used in two different configurations. It can either serve as a Gateway, where it gives the i-Vu CCN web server residing on the Ethernet LAN access to the entire CCN, or it can function as a Bridge, where it interfaces with other CCN communication buses in order to extend a CCN within a campus or building. Because the i-Vu CCN Router allows for the use of existing LAN wiring, it is an ideal solution for integrating CCN into any building or facility.

The i-Vu CCN Router has one EIA-485 port for connecting to the CCN bus, and one 10/100Base-T Ethernet port for connecting to the building LAN. Each i-Vu CCN Router can connect to up to 140 CCN devices. The i-Vu CCN Router also stores trend data and time schedules for the CCN devices that are connected to it.

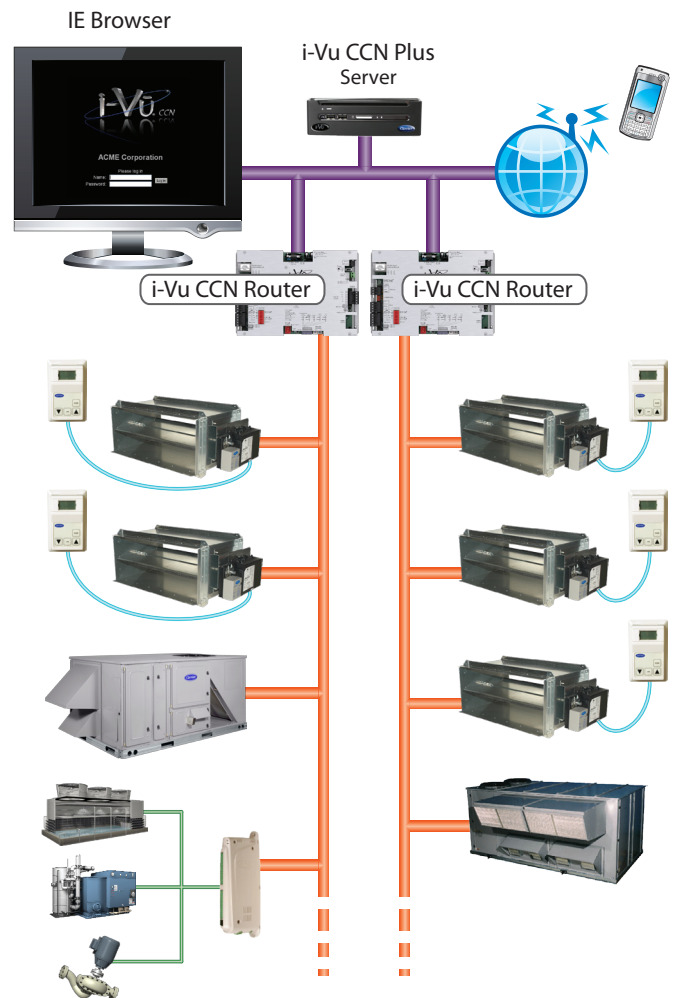
## Functions

The i-Vu CCN Router functions in one of the following modes, depending on configuration:

- **Gateway** - Provides access to the CCN bus from an i-Vu CCN web server that resides on the Ethernet. The Router is serving as the access node from the Ethernet to the CCN and is responsible for maintaining a routing table of CCN system elements.
- **Bridge** - Acts as a CCN/Ethernet interface device in applications where the Ethernet is being used to connect separate CCN buses. This application requires an additional Router functioning as a Gateway.

Each i-Vu CCN Router has a static Internet Protocol (IP) address. This IP address can be set using the CCN Network Service Tool.

## Your Total Carrier System



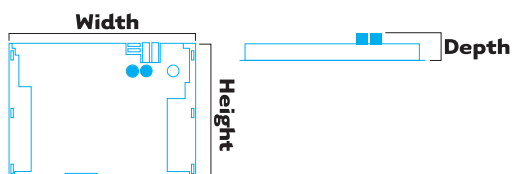
Up to 140 CCN devices per i-Vu CCN Router

# Specifications

## *i-Vu CCN Router*

Communication Ports	10/100BaseT Ethernet Port E1: LAN communications, Port S1: EIA-485 for CCN Network and/or CCN Service Tool connection (9600 & 38400 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	-20°F to 140°F (-29°C to 60°C); 10 to 90% relative humidity, non-condensing NOTE: i-Vu CCN Routers must be installed within the building envelope.
Power Requirements	24VAC $\pm$ 10%, 50 to 60 Hz, 24VA, or 26VDC, $\pm$ 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.

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice or without incurring obligations.

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