



Product Specification

33CN Carrier Comfort Network Carrier Comfort Integrator 5XX

Part Numbers: 33CNCAR511, 33CNCAR511UI
33CNCAR512, 33CNCAR512UI

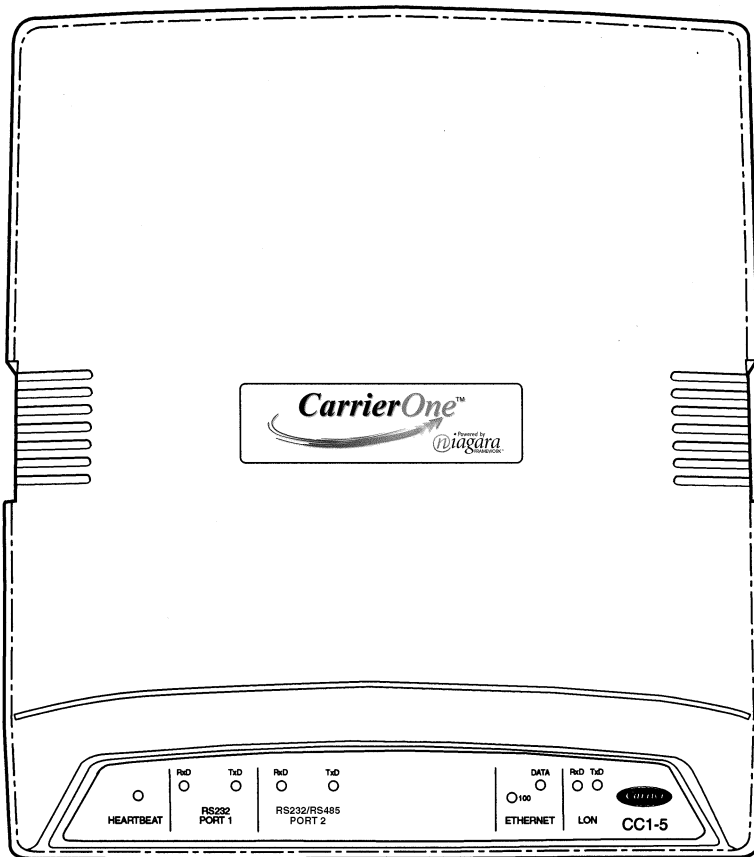


The Carrier Comfort Integrator (CCI) 5XX is a compact embedded processor platform that provides integrated control supervision and network management solutions for a network using CCN (Carrier Comfort Network), LonWorks™ and BACnet™ based devices or systems.

Features/Benefits

The Carrier Comfort Integrator 5XX offers the following advantages:

- embedded RISC (reduced instruction set computing) microprocessor platform
- real-time control function distribution across an Ethernet LAN (local area network)
- cost effective for all size installations
- communication and data sharing between CCN, LonWorks, and BACnet™ protocols. Additional protocols (such as MODBUS®, DDE, OPC, and others) are available from Carrier if required.
- a single Carrier Comfort Integrator 5XX can be used for smaller, stand-alone applications
- multiple Carrier Comfort Integrators 5XX can be used in conjunction with a CarrierOne™ Web system to support larger applications
- Carrier Comfort Integrators 5XX with web user interface services can be used to support intranet or internet users
- Industry standard BAJA (Building Automation Java™ Architecture) interface operating through the Niagara™ framework ensures integration and connectivity



Features/Benefits (cont)



CarrierOne™ system

The CarrierOne system has been designed to integrate a variety of devices and protocols into a common distributed automation system. The Carrier Comfort Integrators are used in the CarrierOne system to provide integrated control, supervision, and network management for building control.

The CCI can be connected to a network of CCN based application controllers. When the CCI is connected over an ethernet, the CCI can communicate to BACnet™ devices or systems and share data between CCN, LonWorks™, and BACnet devices.

Fits every application

Four different Carrier Comfort Integrators are available to meet the needs of many different applications.

A single Carrier Comfort Integrator can be used for smaller, stand-alone

applications. Multiple Carrier Comfort Integrators can be used in conjunction with a CarrierOne Web server to support larger applications.

The 33CNCAR511UI and 33CNCAR512UI Carrier Comfort Integrators are intended for stand-alone operation and are provided with a web user interface service. When connected to the internet, the system's graphical views can be accessed using any standard web browser such as Internet Explorer™ or Netscape Navigator™.

On larger buildings, multi-building complexes, or large-scale control system integrations the CarrierOne Web server, in conjunction with one or more CCIs, will manage global control functions, support data passing over multiple networks, and host multiple, simultaneous client workstations.

The 33CNCAR511 and 33CNCAR512 Carrier Comfort

Integrators require a CarrierOne Web server per project or site.

Carrier Comfort Integrators are available with additional communication ports to interface with additional protocols.

Additional protocols (such as MODBUS®, DDE, OPC, and others) are also available from Carrier if required.

Ease of installation

The rugged, compact CCI can be wall-mounted or enclosure-mounted based on the location requirements. These devices are not outdoor-duty rated.

Simple to use

The CCI can be accessed directly over the Ethernet LAN or remotely over the internet.

Specifications

Platform

Motorola RISC processor @ 200 MHz
Integrated floating point processor
128 MB RAM

8 MB Flash memory for operating system and database backup (33CNCAR511 and 512)

32 MB Flash memory for operating system and database backup (33CNCAR511UI and 512UI)

Battery backup (rechargeable)
Timeclock

Communications

One 10/100 Mbps Ethernet port (RJ45 connection)

One LonWorks port (FTT-10 with Weidmuller connector)

33CNCAR511 and 511UI only

One RS-232 port

One selectable RS-232/485 port (non-isolated) (typically CCN)

33CNCAR512 and 512UI only

Two RS-232 ports

Two RS-485 electrically isolated ports (typically CCN)

Operating system

Wind-River VxWorks™ operating system with Jeode™ technology

Java™ Virtual Machine

Control engine software with CCN, LonWorks, and BACnet support

Power supply

Input Voltage: 24 VAC/VDC (-15%, +25%)

Input Frequency: 47 to 63 Hz (AC power)

Input Power: 13 Watts Max. (10 Watts typical)

Physical specifications

Heavy duty steel chassis

Plastic cover

Internal air convection cooling

Operating weight — 4 lbs

Shipping weight — 5 lbs

Dimensions

12¹/₂ W x 11¹/₄ L x 3¹/₂ H (in.)

Environment

Operating temperature range: 32 to 122 F (0° to 50 C)

Storage temperature range: 32 to 158 F (0° to 70 C)

Relative humidity range: 5 to 95%, non-condensing

Agency listings

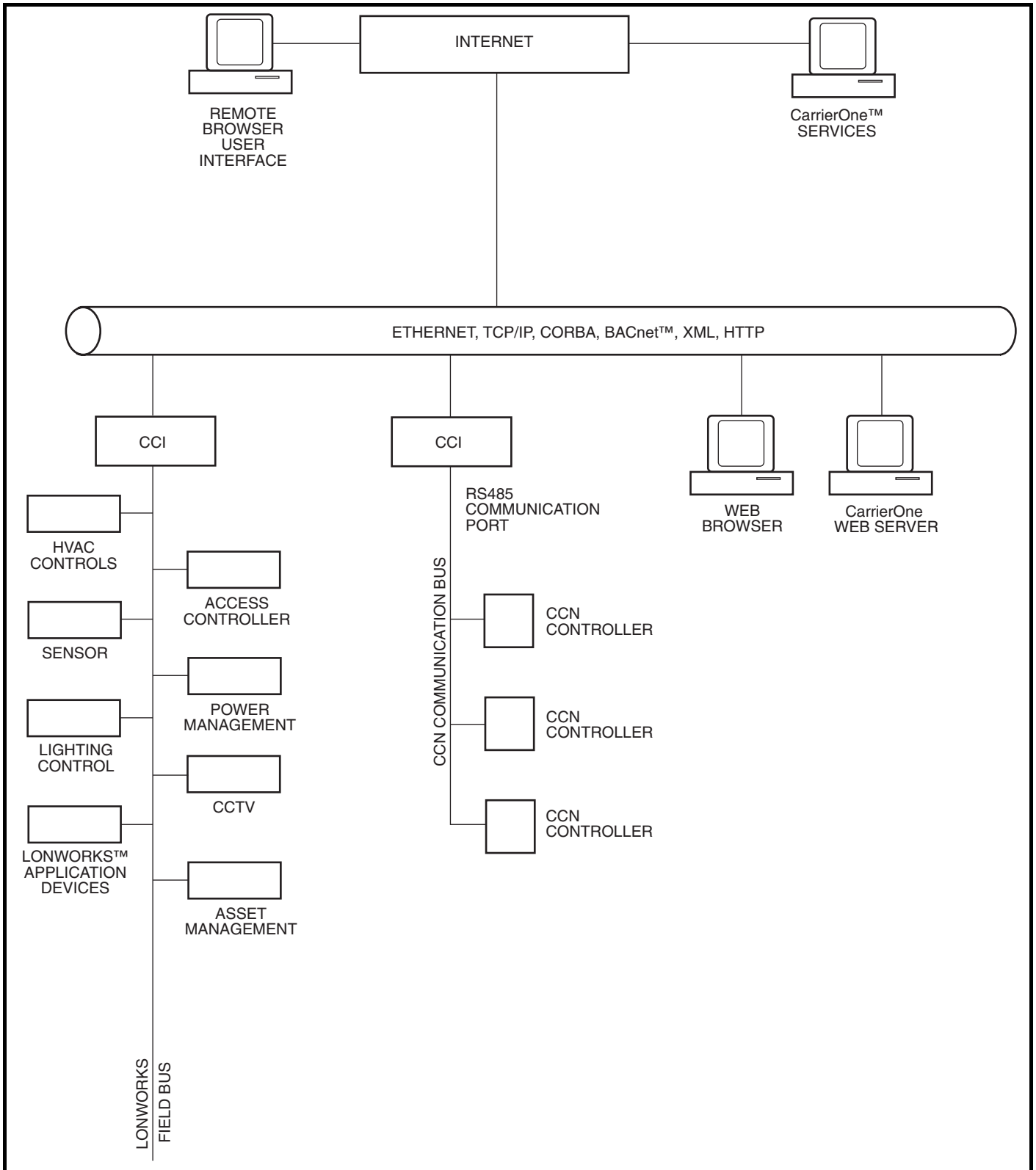
UL916

CSA (Canadian Standard C22.2 no. 205-M 1983, signaling equipment)

CE

FCC part 15, Class A

Typical installation





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