The Carrier Comfort Integrator NX (CCINX) is a compact PC 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 NX offers the following advantages:

- high performance Intel® Celeron® microprocessor
- 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 can be purchased from Carrier.
- a single CCINX can be used for smaller, stand-alone applications
- multiple CCINXs can be used in conjunction with a CarrierOne™ Web system to support larger applications
- CCINXs with web user interface services can be used to support intranet or internet users
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 (Carrier Comfort Integrator) can be connected to a network of CCN-based application controllers. There are different types of CCIs. The CCINX is intended for stand-alone operation and can be used with other types of CCIs in a CarrierOne Web Server system. When the CCI is connected over an ethernet, the CCI can communicate to BACnet™ devices or systems and share data between CCN, LonWorks™, or BACnet devices.

Additional protocols such as MODBUS®, DDE, OPC, and others can be purchased from Carrier.

Fits every application
Two different CCINXs are available to meet the needs of many different applications.

A single CCINX can be used for smaller, stand-alone applications. Multiple CCINXs can be used in conjunction with a CarrierOne Web Server system to support larger applications.

The 33CNCARNXUI CCINXs 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 system, in conjunction with one or more CCINXs, will manage global control functions, support data passing over multiple networks, and host multiple, simultaneous client workstations.

The 33CNCARNX CCINXs require a CarrierOne Web Server system per project or site since they do not have web user interface services.

Ease of installation
The rugged, compact CCINXs 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
High-speed Intel® Celeron® CPU (1.2 GHz) with 256-MB RAM
Minimum 20-GB IDE hard drive
Timeclock

Communications
One 10/100 Mbps Ethernet port (RJ-45 connection)
One LonWorks port (FTT-10 with Weidmuller connector)
Two high-speed RS-232 ports with DB-9 connector (typically CCN)

Operating system
Embedded version of Microsoft® Windows XP or NT® 4.0 with latest service pack
Microsoft Java™ Virtual Machine
Control engine software with CCN, LonWorks, BACnet, and MODBUS support

Options
MDM-NP 56 KBps, V90 internal modem

Power Supply
108-132 vac, 2 amps, 47-63 Hz
or
180-230 vac, 1 amp, 47-63 Hz

Physical specifications
Heavy duty steel chassis
Plastic cover
Internal fan forced cooling
Operating weight — 9.9 lb
Shipping weight — 13.9 lb

Dimensions
6 13/16 W x 7 9/16 L x 10 1/16 H (in.)

Environment
Operating temperature range: 32 to 95 F (0° to 35 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 Class B
Typical installation

INTERNET

REMOTE BROWSER USER INTERFACE

CarrierOne™ SERVICES

ETHERNET, TCP/IP, CORBA, BACnet™, XML, HTTP

CCI

HVAC CONTROLS

SENSOR

LIGHTING CONTROL

LONWORKS™ APPLICATION DEVICES

ACCESS CONTROLLER

POWER MANAGEMENT

CCTV

ASSET MANAGEMENT

RS485 COMMUNICATION PORT

CCI

WEB BROWSER

CarrierOne WEB SERVER

CCN COMMUNICATION BUS

CCN CONTROLLER

CCN CONTROLLER

CCN CONTROLLER

LONWORKS FIELD BUS