

## ComfortPoint Open CP-Core

### DATA SHEET

#### Trademark Information

ComfortPoint™ Open is a trademark of Honeywell International Inc.

BACnet® is a trademark of ASHRAE Inc.

## GENERAL

- Native BACnet Router.
- Complies to B-BC BACnet device profile.
- Complies to BACnet 135-2010 protocol revision.
- Can be configured as a BBMD device.
- Outstanding performance with 32 bit technology.
- Flexible and easy configuration with ComfortPoint Open Studio.
- Supports one BACnet IP network and 3 independent RS485 interface MSTP channels. Any MSTP channel can be configured for Modbus device.
- Supports 30 unitary controllers per MSTP channel, 90 Unitary controllers per CP-Core.
- Supports 30 Modbus devices per Modbus channel, 90 Modbus devices per CP-Core.
- Fully integrated with ComfortPoint Open Manager (CPO-M) and Enterprise Buildings Integrator (EBI).

## CP-CORE



#### Attention

BTL (as per CP-IPC listing) Logo, UL Logo & the CE Mark Logo are used to indicate product compliance and/or conformance to those standards. These Logo/Marks are trademark of the respective Agencies.

Note: The information provided herein are correct and up to date at the time of production. Due to Product renovation & technology upgrade, the specifications given in this data sheet are subject to change. Please contact your nearest HBS branch for current updates.

## FEATURES

#### Freely Programmable Native BACnet Router

CP-Core is a freely programmable native BACnet router.

#### HVAC Applications

CP-Core is ideal for complex HVAC applications and third party device integration.

#### Programming and Configuration

CP-Core is programmed using ComfortPoint Open Studio which allows user to control and monitor remotely connected device.

#### Easy installation

Honeywell's EBI and ComfortPoint Open Manager can access all devices connected on MSTP channels via the CP-Core BACnet router.

#### Unicode Support

UCS-2 and UTF-8 character encoding formats.

#### Flexible mounting options

DIN-rail or Wall mounting.

# SPECIFICATIONS

## Electrical Data

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### Operating Voltage

- 24 VAC  $\pm$  20%, 50/60 Hz, 12 VA
- 1 “power” LED

### Power Consumption

- Max. 12 VA

### Housing Material

- ABS Plastic

### Mounting

- DIN rail
- Wall mounting

### Protection Class

- IP 20

### CPU

- Processor: ColdFire<sup>®</sup>; 548x
- 32 Bit Hi Performance free scale processor @ 166 MHZ

### Memory

- 32 MB internal RAM for data storage
- 32 MB Flash for program storage
- 256 KB RAM, buffered 72 hrs by gold capacitor
- 2 MB Boot Flash Memory

### Real-Time Clock

### MTBF (Mean Time Between Failure) Data

- 100000 Hours or 11.4 Years

## Environmental

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### Temperature

- Operation: 0~50 °C
- Storage: -20 ~ +70 °C

### Ambient Humidity (operation and storage)

- 5 to 93% relative humidity, non-condensing

### Certifications

- CE
- BTL (as per CP-IPC listing) revision 9
- UL 916
- FCC Part 15, Subpart B, Class A

### Programming

- The ComfortPoint Open Studio provides a graphical Engineering Tool for programming of ComfortPoint Open devices.

### Each CP-Core Supports

- 100 Trend objects
- 200 Samples per trend



### Note

Trend samples are based on COV.

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### Models

- CP-Core: 3 MSTP (can be configured for Modbus configuration)

## Hardware Interfaces

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### Ethernet

- 10/100 Mbit/s, RJ45
- 1 LED “Link”/”Active”

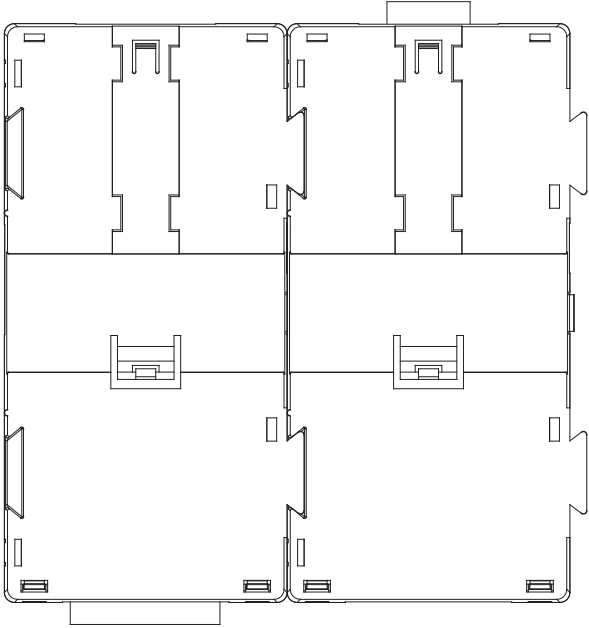
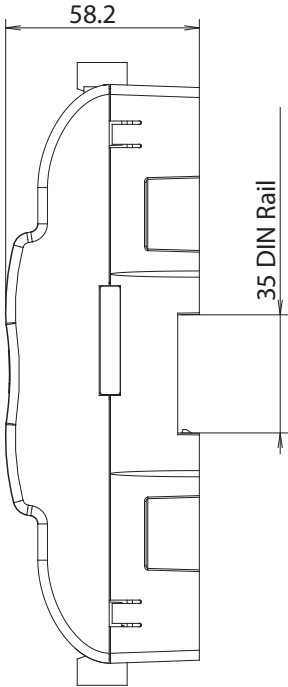
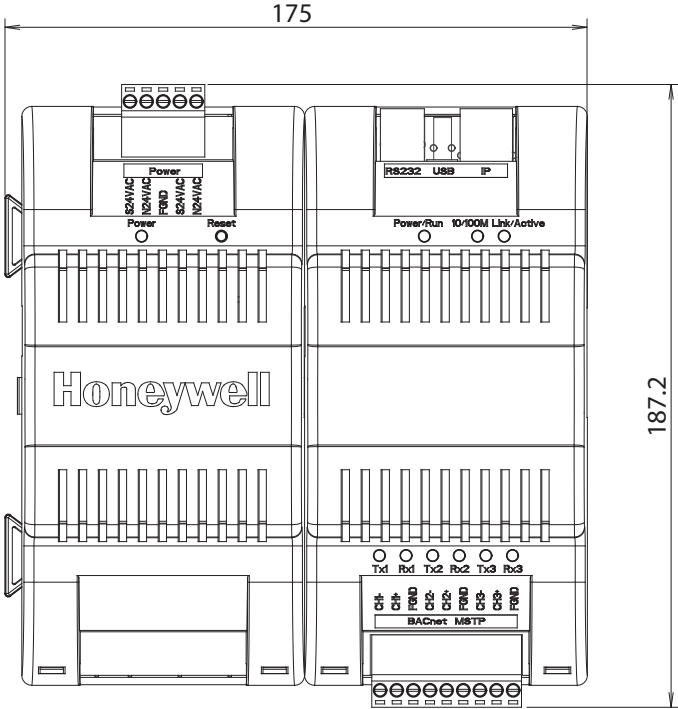
### MSTP Port

- Supports 9.6, 38.4 and 76.8 Kbps
- Max 30 BACnet MSTP devices per port
- Max 90 BACnet MSTP devices per controller
- MODbus device integration in any / all of the 3 channels
- 3 x screw terminal, removable
- 2 service LEDs per channel

### RS232C Port

- Diagnostic Terminal
- RJ 11 Type

# DIMENSIONS



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