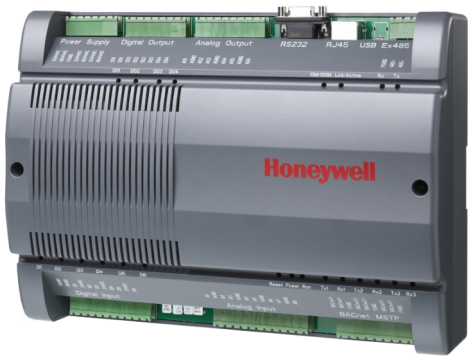


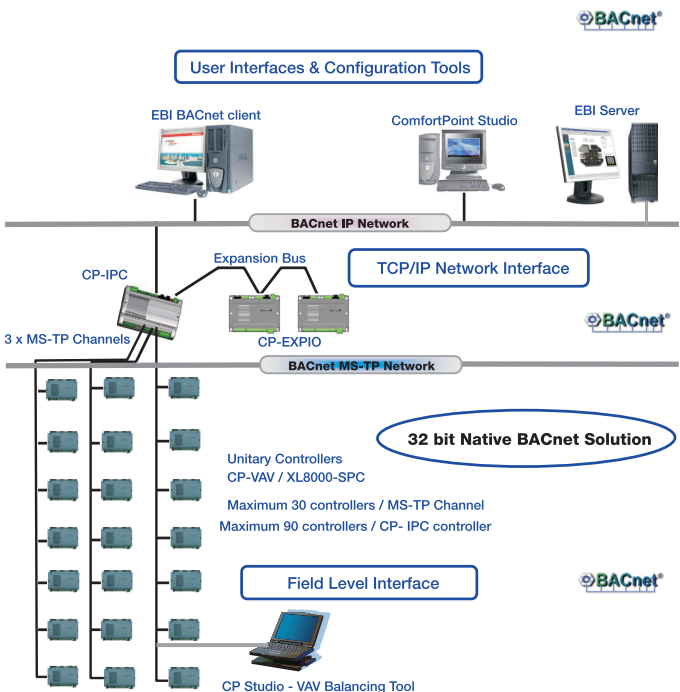
ComfortPoint™ CP-IPC

NETWORK CONTROLLER

- Native BACnet series of controller
- Based on B-BC BACnet profile
- Built in BACnet router, isolate need for any additional external BACnet router
- Outstanding performance with 32 bit technology
- Flexible and easy configuration with ComfortPoint Studio
- Supports one BACnet IP network and 3 independent MS-TP channels
- 30 unitary controllers per MS-TP channel, 90 Unitary controllers per CP-IPC
- Fully integrated with Honeywell EBI (Enterprise Buildings Integrator)



SYSTEM ARCHITECTURE



Note: Due to Product renovation & technology upgrade, the specifications given in this data sheet may subject to change. Please contact your regional product management for current updates

FEATURES

Freely Programmable native BACnet® Controller

CP-IPC is Freely Programmable native BACnet® Controller.

Onboard Input and Outputs

CP-IPC Comes with a base 24 input and outputs which can be expanded up to 128 I/O's by using CP-EXPIO Modules.

HVAC Applications

CP-IPC is ideal for Complex HVAC Applications. Supports simple and Complex HVAC Algorithms, Scheduling, data sharing between Controllers and Energy management functions.

Programming and Configuration

CP-IPC is programmed using ComfortPoint Studio which allows user to create Control strategies, Schedules and helps to commission and monitor the controller parameters.

Easy installation

CP-IPC has built in BACnet® router which eliminates the need for additional BACnet® routers for the System. Honeywell's EBI can access all MS-TP Unitary controllers via CP-IPC BACnet® router.

Peer to Peer communication

CP-IPC supports Peer to Peer IP communication.

Unicode Support

Supports UCS-2 standard which allows support for "Asian Characters" by the Controller

Flexible mounting options

DIN-rail or wall mounting.

SPECIFICATIONS

Electrical Data

Operating Voltage

- 24 VAC \pm 20%, 50/60 Hz, 25 VA
- 1 "power" LED

Power Consumption: Max. 25 VA,
CP-EXPIO is separately powered and not included.

Housing Material: ABS Plastic

Mounting

- DIN rail
 - Wall mounting
- Protection Class: IP 20

CPU

Processor: ColdFire®; 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
- 4 MB Boot Flash Memory

Real-Time Clock

Integrated I/Os

Digital Output

- 4 DO's, 24 VAC TRIACS with LED indication

Digital Input

- 6 DI's which can be configured as Potential-free contact or pulse counter @ 15 Hz
- LED Indication, illuminated when contact close

Analogue Output

- 6 AO's, 0-10 Vdc

Analogue Input

- 12 bit A/D resolution
- 8 Universal inputs
- 0-2 Vdc, 0-10 Vdc, PT 1000 (-50 to +150° C), NTC 20K (0 to 40° C)

Environmental

Temperature

- Operation: 0...50° C

Ambient Humidity (operation and storage)

- 5 to 93% relative humidity, non-condensing

Certifications

- CE
- UL 916

Programming

The Comfort Point Studio provides a graphical Engineering Tool for programming of Comfort Point devices. Each CP-IPC Supports,
128 Hardware points
1500 Software points
100 Time schedules
100 Calendar objects
64 Control loops

Models

CP-IPC : 24 Points on board
CP-EXPIO : 24 Points on board

Hardware Interfaces

Ethernet

- 10/100 Mbit/s, RJ45
- 1 LED "link", 1 LED "activity"

MSTP Ports 1 , 2 & 3

- Supports 9.6, 38.4 and 76.8 Kbps
- Max 30 BACnet MSTP devices per Port
- Max 90 BACnet MSTP devices per controller
- 3 x screw terminal, removable
- 2 service LED's

RS 485 Port

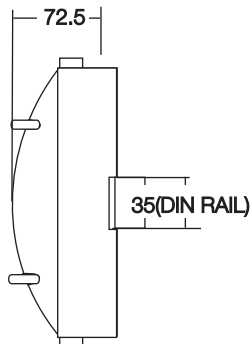
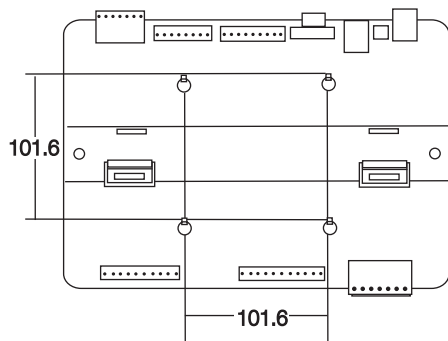
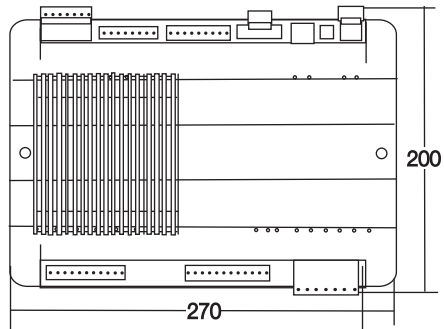
- to connect up to 15 expansion IO modules

RS232C Port

- Diagnostic Terminal
- 9-pin Sub-D

Reset Button

DIMENSIONS



Find out more

Contact a Honeywell representative today.
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