

## Data Sheet

# B3070/B3071 Cimetrics BACnet/IP to BACnet/IP Router

- Enables BACnet/IP communication between separate IP networks
- Three Ethernet interfaces
- Uses industry's leading BACnet OEM protocol stack (Cimetrics BACstac™)
- Browser-based configuration



## PRODUCT INTRODUCTION

The BACnet/IP to BACnet/IP router provides BACnet routing between separate BACnet/IP networks. Most of the building controls companies are offering building control systems that use BACnet/IP communication between building controllers and terminal unit devices. A large building might require several hundred BACnet/IP devices. The Cimetrics router addresses several problems that system integrators can encounter in these large BACnet/IP installations.

## TYPICAL APPLICATION SCENARIOS

Here are some scenarios in which the Cimetrics BACnet/IP to BACnet/IP router could be applied:

- ⇒ Customer's IT department can not allocate enough IP addresses on the IT network for the BACnet/IP devices
- ⇒ Certain BACnet/IP devices should not reside on the same IP network with customer's IT systems for technical or policy reasons
- ⇒ Third-party BACnet/IP building control devices can't be configured (IP address, subnet mask) as required

## FEATURES

The router has three Ethernet ports—two for BACnet routing and a dedicated port for configuration. It is easily configured using a web browser. The router is housed in a metal case and is powered by a 12 VDC external power supply.

You can save the configuration in an offline file and reload at any time as needed. The status page provides a valuable tool for troubleshooting—you can see the network traffic statistics, communication and interface statuses.

## BACnet DETAILS

- Two BACnet /IP Ethernet interfaces—Private LAN and Customer LAN
- BBMD and FD (Foreign Device) support on Customer LAN
- BACnet Protocol Revision 14

## HARDWARE SPECIFICATIONS

Power Adapter Input Voltage 100–240 VAC, 50-60 Hz

Operating Temperature 0 to 40 C

Storage temperature -30 to 50 C

Power consumption 12 VDC, 10W typical

Dimensions 15.8 x 16 x 2.5 cm

Weight 450 g

Ethernet Ports (3) 10/100/1000 Mbps

Approvals FCC Class A, CE

## ORDERING INFORMATION

B3070/B3071 - Cimetrics B/IP to B/IP router with power adapter and DIN rail mount

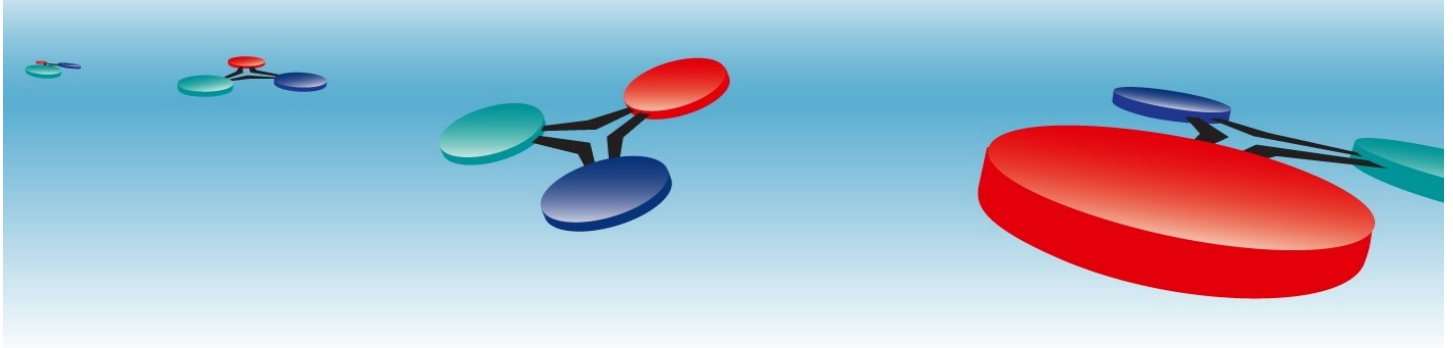
## PRODUCT SUPPORT

One year warranty on router hardware

Free product technical support

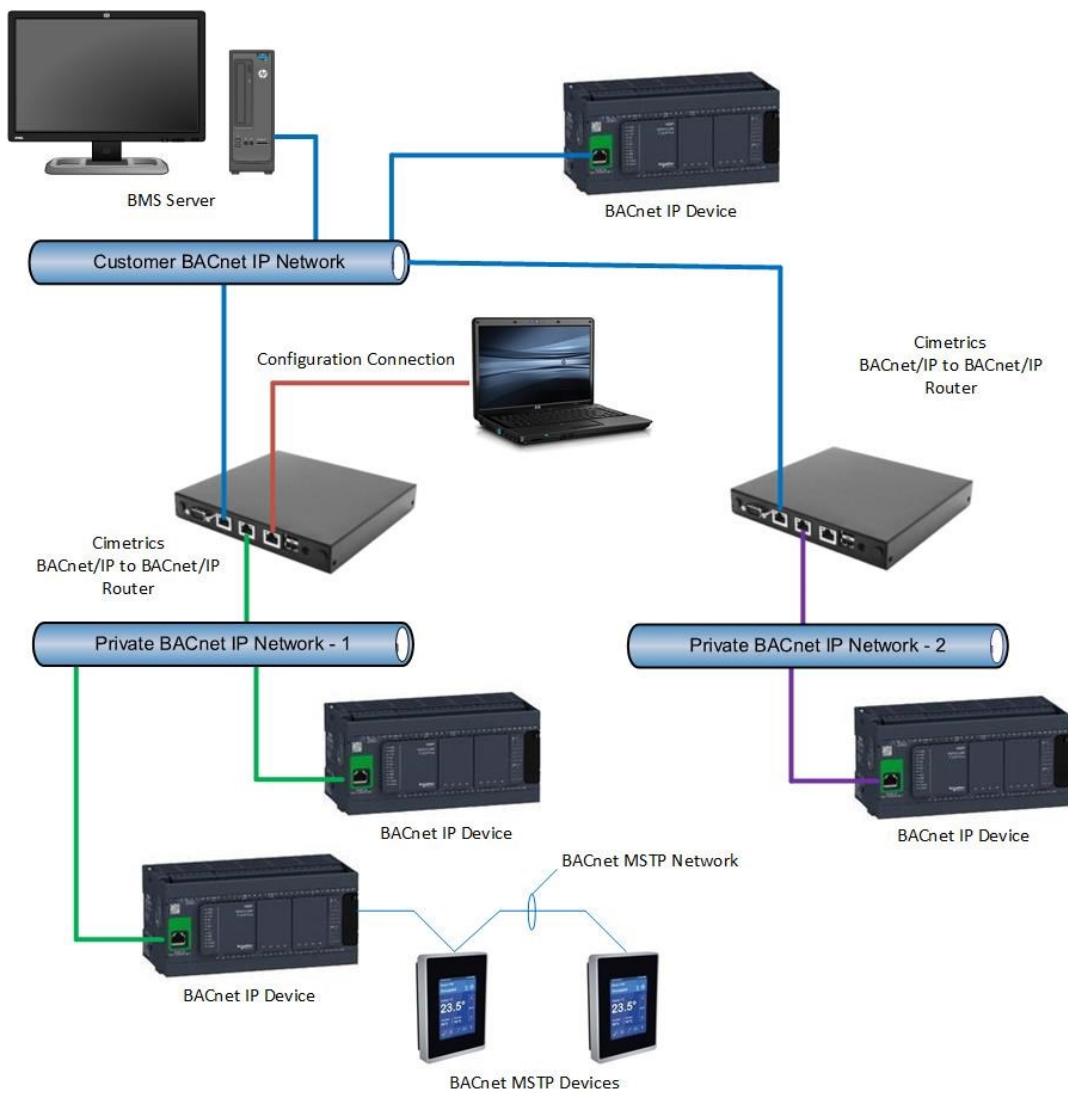
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**Deploy Your Network – BACnet/IP to BACnet/IP Routing:**

Cimetrics B3070/B3071 BACnet/IP to BACnet/IP Router routes BACnet packets (and only BACnet packets) between two separate IP networks. A typical deployment scenario is shown below, in which there are multiple IP networks containing BACnet-compliant devices that need to communicate with one another, and many of the BACnet devices are connected to one or more private IP networks utilizing private IP addresses.



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