

Quick Start

B3075 Cimetrics BACnet/IP to BACnet/IP Router



Configuration port

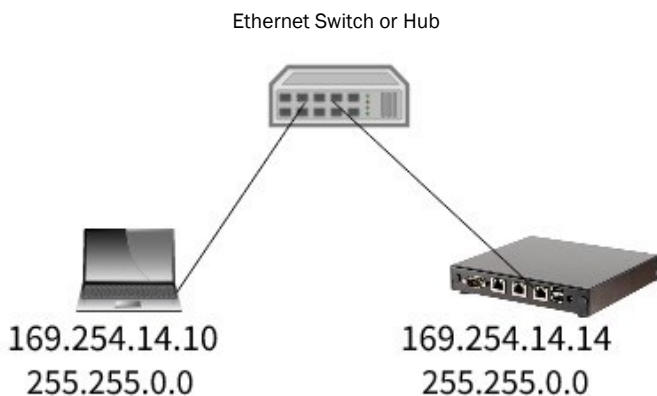
Starting the B3075 for the first time

You must configure your router before connecting it to a BACnet network!

Before you can configure the router, you need to establish a connection between a PC and the B3075. Your B3070/B3075 has three Ethernet ports—one of them is a dedicated configuration port. Connect your B3075's configuration port and your PC's Ethernet port to an Ethernet network, as shown below; standard Ethernet cables should be used.

The B3075's network communication parameters for its configuration port are preset and cannot be changed. That port has a fixed IP address: **169.254.14.14**

The personal computer must not use DHCP, but rather it should use the following IP address: **169.254.14.10**. The PC's Subnet Mask must be set to **255.255.0.0**.

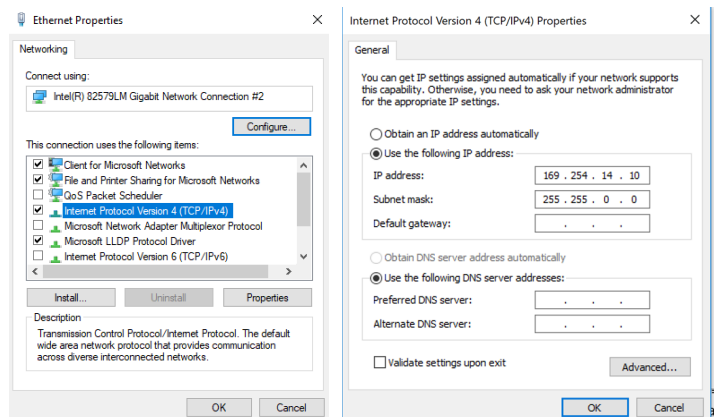


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How to set the IP address on your Windows PC:

To set your IP address, follow these steps:

1. Open the PC's Control Panel app.
2. Navigate to *Network and Internet – Network and Sharing Center – Change Adapter Settings*
3. Right click on the Ethernet adapter you are using to communicate – *Properties – Internet Protocol Version 4 – Properties* – Use the following IP address – **169.254.14.10** and Subnet Mask – **255.255.0.0**. Click the “OK” button.



4. Now you are ready to communicate with the router.

Login to the B3075

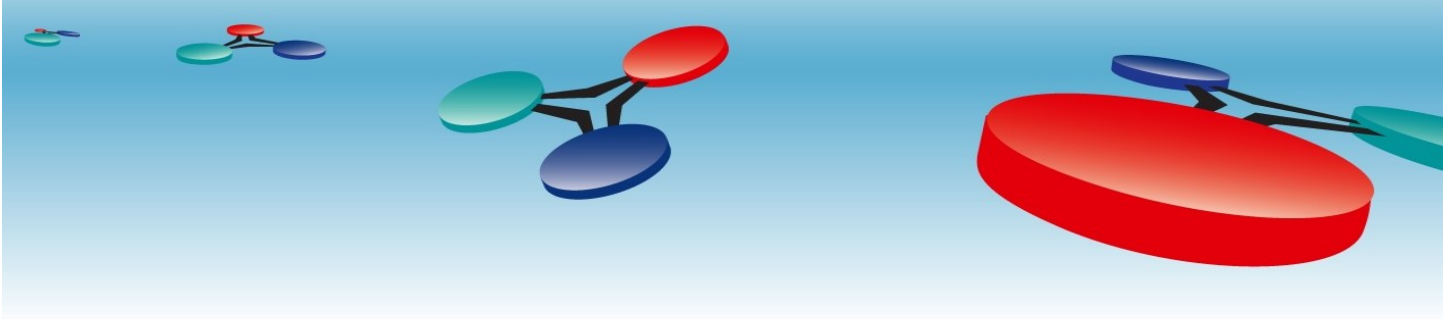
Plug your PC and B3075 (configuration port) into the same Ethernet hub or switch. On the PC, open a web browser and type the IP address of the B3075's configuration port – **169.254.14.14** then press ENTER.

! The router must have completed the start-up phase (check that the Power LED in front is steady green); otherwise the required web pages will not be visible.

You will be prompted to login: The username is *admin* and the factory default password is provided with your router (see the sticker affixed to the router).

! Keep the admin account password in a secure location and never lose it! If it is lost, you will need to re-set the router to its factory defaults.

Once you login using the default admin account password, you will see a home page. **See the reverse side for a partial list of the router's configuration parameters.**



B3075 Basic Configuration Checklist

You will need to set several configuration parameters to appropriate values for your site's BACnet internetwork in order to ensure proper interoperation.

Feature	Items	Notes/Comments
BACnet Device	BACnet Device Instance Number BACnet Device Name	
Customer Network Interface (usually connected to the building's backbone network)	IP Address	
	Subnet Mask	
	Default Gateway IP Address (if needed)	
	BACnet UDP Port (typically 47808)	
	BACnet Network Number (1-65534)	
Private Network Interface (connected to a BACnet/IP LAN)	IP Address	
	Subnet Mask	
	Default Gateway IP Address (if needed)	
	BACnet UDP Port (typically 47808)	
	BACnet Network Number (1-65534)	
BBMD (optional, if needed on the Customer Network)	BBMD Broadcast Distribution Table (if BBMD functionality is enabled) Enable Foreign Device registration? (Yes/No)	
Configuration Interface (used only for router configuration)	IP address = 169.254.14.14 fixed Subnet mask = 255.255.0.0 fixed Admin and (optional) user account passwords Enable remote configuration? (Yes/No)	
Physical Space	DIN rail mounting—mounting dimensions are 6.5" hor. X 6.0" vert. x 1.25" deep. Allow approximately 1.0" inch gap from other equipment for air flow.	
AC Power	AC 100-240 Vrms, 50/60 Hz Type B (3 pin)	

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