Quick Start

SbC3200 Secured By Cimetrics BACnet Network Segmentation Device (BNSD)
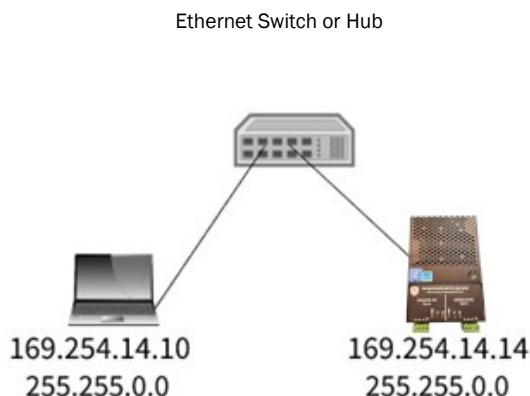

Starting the SbC3200 for the first time

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

Before you can configure the BNSD, you need to establish a connection between a PC and the SbC3200. Your SbC3200 has one Ethernet port —it is used for BACnet/IP, BACnet/SC and for configuration. Connect your SbC3200's Ethernet port and your PC's Ethernet port to an Ethernet network, as shown below; standard Ethernet cables should be used.

The SbC3200's network communication parameters for its configuration are preset and cannot be changed. It has a fixed IP address: 169.254.14.14
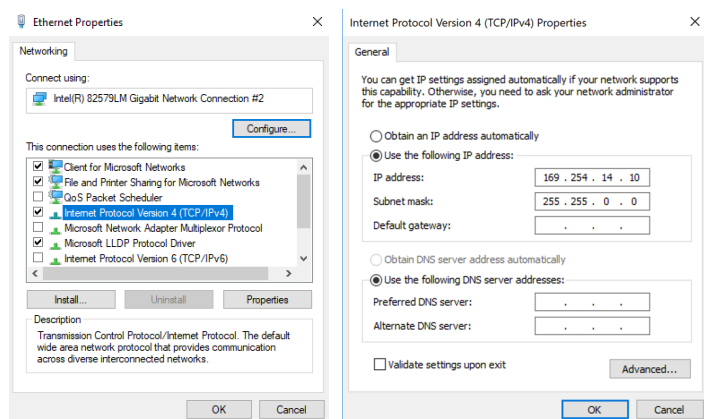
The personal computer must not use DHCP, but rather it should use the following IP address: 169.254.14.10. The PC's Subnet Mask must be set to 255.255.0.0.

Ethernet Switch or Hub

169.254.14.10
255.255.0.0

169.254.14.14
255.255.0.0

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 BNSD.
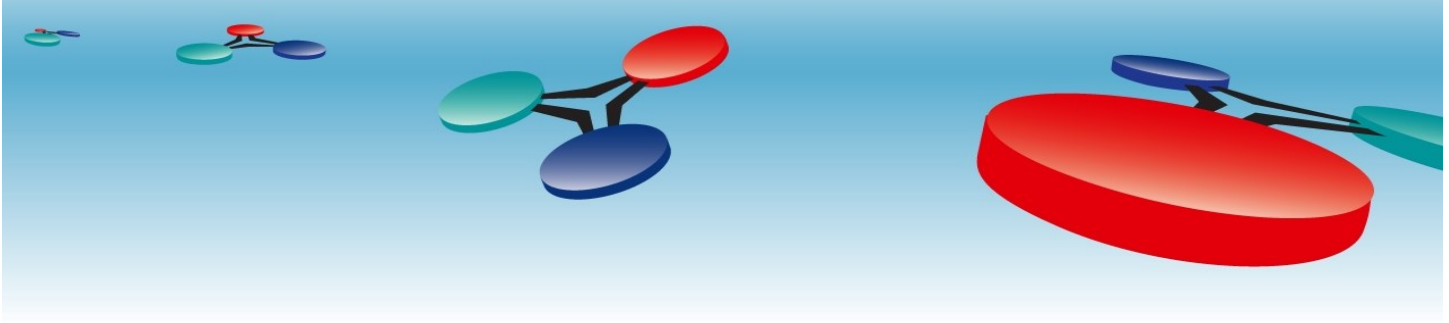
Login to the SbC3200

Plug your PC and SbC3200 into the same Ethernet hub or switch. On the PC, open a web browser and type the IP address of the SbC3200's configuration port – 169.254.14.14 then press ENTER.

You will be prompted to login: The username is *admin* and the initial password is provided with your BNSD (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 reset the BNSD to its factory defaults.

Once you login using the default admin account password, you will be required to change the admin password. You can also enable BACnet ports on this page. BNSD will reboot when you press *Apply* button. **See the reverse side for a partial list of the BNSD's configuration parameters.**

SbC3200 Configuration: Partial Checklist

The first decision that you will need to make is how to configure the SbC3200. You will need to set several configuration parameters to appropriate values for your site's BACnet internetwork in order to ensure proper interoperation. Here are some of the configuration parameters that you may need to set.

Feature	Items	Notes/Comments
BACnet Device	BACnet Device Instance Number	
	BACnet Device Name	
Ethernet Interface IP settings	Static IP address or DHCP	
	Subnet mask	
	Default Gateway IP address	
BACnet/IP network (via Ethernet, if connected to a BACnet/IP LAN)	BACnet Network Number	
	UDP Port	
	BBMD Configuration (if enabled)	
BACnet/SC network (via Ethernet, if connected to a BACnet/SC LAN)	BACnet Network Number	
	Primary Hub URL	
	Failover Hub URL	
MS/TP Network Interface A (if enabled)	BACnet Network Number	
	MS/TP MAC address	
	MS/TP Baud Rate	
	Max Master	
MS/TP Network Interface B (if enabled)	BACnet Network Number	
	MS/TP MAC address	
	MS/TP Baud Rate	
	Max Master	
IT Network Services	IP Addresses of DNS Servers	
	Addresses or host names of Network Time servers	
	Syslog server configuration	
Configuration Interface (used only for BNSD configuration)	IP address = 169.254.14.14 fixed	
	Subnet mask = 255.255.0.0 fixed	
	Admin and (read-only) user account passwords	
	Enable remote configuration (Y/N)?	
	Enable packet capture (Y/N)?	