BACnet Guide







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BACnet Configuration

Download App

Parameters such as BACnet ID, BACnet Name, as well as setting up a static IP address, can be configured in the inBiot setup app.

You can download this application through the links to the stores or by scanning the following QR code.



Setting up BACnet

Before you begin

1. Remember to turn on Bluetooth on your phone. For Android, also turn on location and make sure the app has permissions to use it.



iOS (iPhone)

Android

2. Open "inBiot Setup" app. If a message appears requesting permission to use the location, allow the app to use it.



BACnet IP (Ethernet)

- 1. On the main menu select LOCAL COMMUNICATION.
- 2. Then, select the correct installation type, in this case Ethernet and press CONFIGURE.

Main menu, select an option. Select the type of communication protocol you want to use. Image: Course Course Image: Course Course </th <th>×</th> <th>Configure device</th> <th>< Back</th> <th>×</th> <th>Configure device</th> <th>< Back</th>	×	Configure device	< Back	×	Configure device	< Back
Image: Construction of the second		ct the type of communication protocol you want to use.	Sel	ption.	n menu, select an op	Mai
		BACnet (WI-Fi)	•			
SAVE ALL CHANGES AND FINALISE CONFIGURE		CONFIGURE		IALISE		SAV
BACK TO MENU	_	BACK TO MENU				

3. Next, enter the BACnet ID and name. If you wish to setup a static IP address or activate Foreign Device Mode, you must turn on the switch for those options.

4. When you're done press SAVE SETTINGS.

Back Configure device X	< Back Configure device X	< Back Configure device 2
Configure BACNet IP (Ethernet) parameters.	Configure BACNet IP (Ethernet) parameters.	Configure BACNet IP (Ethernet) parameters.
Write here	1234567	65534
Write here	BACNet Name Example	BACNet Name Example
Static IP Address Foreign Device Mode	Static IP Address	Static IP Address
	Foreign Device Mode	192 168 1 • 10 BBMD Port
		47808
		235
SAVE SETTINGS	SAVE SETTINGS	SAVE SETTINGS
BACK TO MENU	BACK TO MENU	BACK TO MENU

5. Wait while the settings are processed and once the configuration is complete, remember to return to the Main menu and save the changes.



BACnet IP (Wi-Fi)

1. On the main menu select LOCAL COMMUNICATION.

2. Then, select the correct installation type, in this case Wi-Fi and press CONFIGURE.

< Back	Configure device	×	< Back	Configure device	×
Mair	n menu, select an optic	on.	Sel	ect the type of communication protocol you want to use.	
			•	BACnet IP (Wi-Fi)	
SAVE	E ALL CHANGES AND FINALIS	se		CONFIGURE	
			L	BACK TO MENU	

3. Next, enter the BACnet ID and name. If you wish to setup Foreign Device Mode, you must turn on the switch for that option.

4. When you're done press CONTINUE.

Configure BACNet IP (wireless) parameters.	Configure BACNet IP (wireless) parameters.	Configure BACNet IP (wireless) parameters.
BACNet ID Write here BACNet Name Write here Foreign Device Mode	BACNet ID 1234567 BACNet Name BACNet Name Example Foreign Device Mode	BACNet ID 65534 BACNet Name BACNet Name Example Foreign Device Mode BBMD IP address 192 • 168 • 1 • 10 BBMD Port 47808 Time to Live (seconds) 255
CONTINUE	CONTINUE	CONTINUE

5. Select the Wi-Fi network you want to connect to, and follow the steps required to connect to the network.

6. When the configuration is complete, remember to return to the Main menu and save the changes.

< Back	Configure device	< Back	Configure device	×	< Back	Configure device	×
Selec	Connect to a WI-Fi network. t the 2.4Ghz Wi-Fi network you want to connect your MICA to.		BACNet configuration completed!		Mai	n menu, select an option.	
	inBiot_devices > inBio_5G > inBiot_invitados > inBiot SRGGTH > inBiot ARSHAQET > inBiotASGEATRH > inBiotASGHTARGH >)			
	DD WI FI NETWORK MANUALLY	A	RETURN TO MENU Return to menu to save changes. changes will be deleted if not savec	d.	SAV	E ALL CHANGES AND FINALISE	

Device Installation



Parts and pieces



- 2. Mounting holes (x2).
- 3. Cable inlet.
- 4. 1) Assembly hooks (x2).
 - 2) Assembly guides (x2).
- 5. Electronic Motherboard (MOBO).
- 6. Female Ethernet terminal.
- 7. Female power terminal.
- 8. Assembly screws (x2).
- 9. Male power terminal.

Necessary

Note: The recommended height for installation is 120 - 180cm.

BACnet IP (PoE)

Steps to follow











Description

1. To begin, run the power cable (PoE) through the inlet **3** located on the back cover **1** of the case.

2. Next, mount the back cover 1 to the wall. To do this, insert the screws in the wall through the mounting holes 2 and rotate the housing so that it is straight. Then, using a screwdriver tighten the screws to secure it in position.

3. Connect the Ethernet cable to the female Ethernet terminal 6 located on the motherboard 6.

4. You can now close the MICA: Align the assembly guides ④ with the assembly hooks ④ (this must be done with the housing slightly tilted) and then close the back cover ①.

5. To finish, secure the case with the two lower assembly screws **(3**).

BACnet IP (110 - 240V AC / 8 - 36V DC)

Steps to follow















Description

1. To begin, run the power cable (PoE) through the inlet ③ located on the back cover ① of the case.

2. Next, mount the back cover 1 to the wall. To do this, insert the screws in the wall through the mounting holes 2 and rotate the housing so that it is straight. Then, using a screwdriver tighten the screws to secure it in position.

3. Before proceeding, add ferrules to the wires on the power cable.

4. Next, connect the power wires to the male power terminal **9** provided. If the power supply is **direct current (8 - 36V DC)**, remember to respect the order of the inputs **(V+ and GND)**.

5. Connect the power cable to the female power terminal 🛛 located in the motherboard **⑤**.

6. Connect the Ethernet cable to the female Ethernet terminal 6 located on the motherboard 6.

7. You can now close the MICA: Align the assembly guides ④ with the assembly hooks ④ (this must be done with the housing slightly tilted) and then close the back cover ①.

8. To finish, secure the case with the two lower assembly screws 8.

Protocol Implementation Conformance Statement 😽

The BACnet PICS document, is a standardized document used to describe the BACnet capabilities and features supported by a particular device or software implementation.

Purpose

The PICS document provides a formal declaration of:

- Which BACnet services and objects a device supports.
- Conformance to specific BACnet profiles.
- Communication options (e.g., BACnet/IP, BACnet MS/TP).
- Optional features or special behaviors.
- Interoperability capabilities for integration with other BACnet devices.

Contents

The following sections are found in the PICS document:

- Vendor and product description.
- Standardized Device Profile Supported (Annex L).
- Interoperability Building Blocks (BIBBs).
- Network layer options (e.g., BACnet/IP, MS/TP).
- List of supported BACnet objects (e.g., Analog Input, Binary Output).
- Segmentation Capability.
- Device Addressing Binding.
- Character Sets Supported.



Download PICS file 🞍



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