



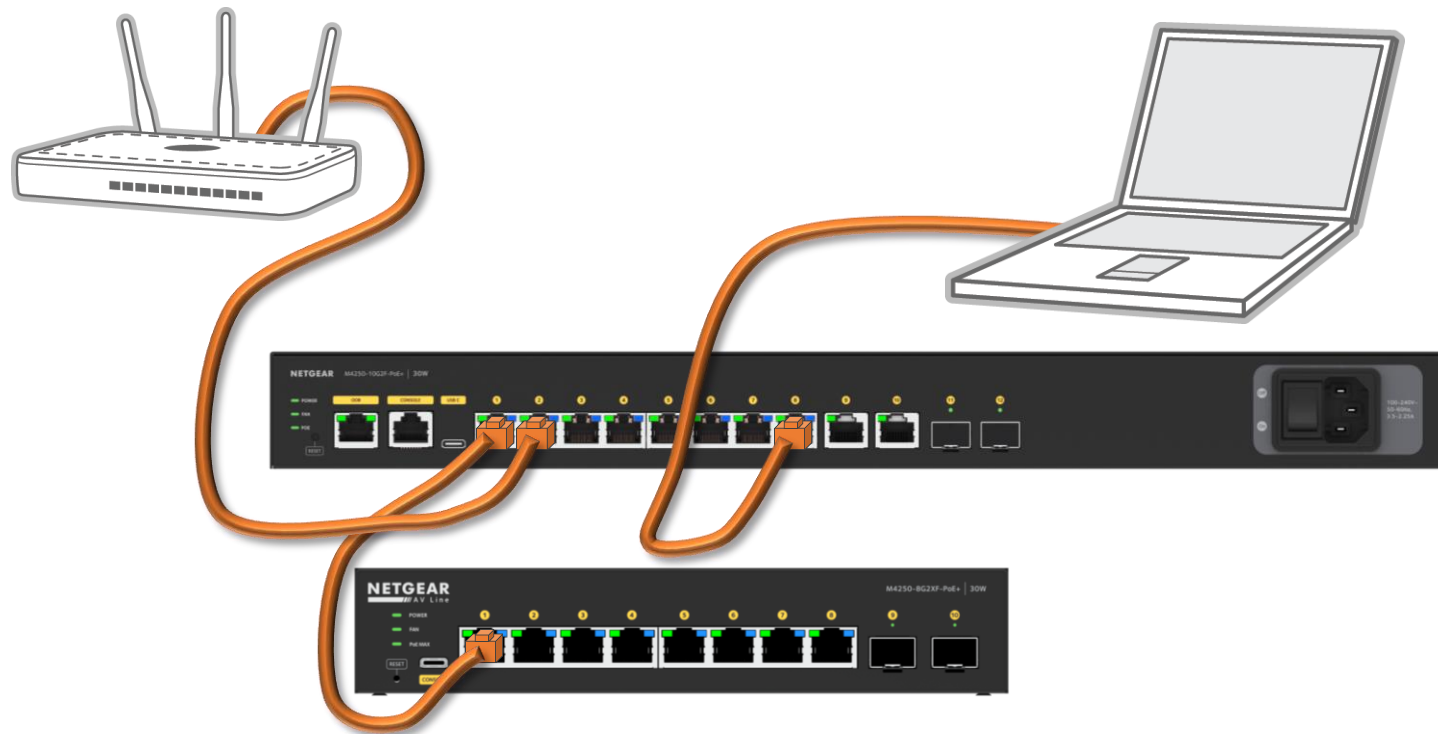
# Engage Controller Onboarding

How to onboard devices using the discovery and IP address.

## ADDING DEVICES ON ENGAGE CONTROLLER

This article will go over how to add devices to the Engage controller.

For this setup we will have the switch connected to a router that will be our DHCP server, a computer running the Engage controller, and we will be adding a second switch.



Open the "Engage" controller and go to the "Devices" tab.

[Devices](#)[Topology](#)[Site Settings](#)[Support](#)[Controller Management](#)




Site



HQ ▾

[Save](#)


## Managed Devices



[+ Add Device](#)

Switch Model	System Name	Serial Number	IP Address	FW Version	AV Version	Status	
 M4250-8G2XF-PoE+ GSM4210PX		6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Online	<a href="#">Configure</a> 

Total 1   **1**  Go to

## Discovered Devices

Switch Model	System Name	Serial Number	MAC Address	IP Address	FW Version	AV Version
 You do not have any discovered devices						

Total 0   **1**  Go to

Connect the new switch to the network and wait for it to boot up.

[Devices](#)[Topology](#)[Site Settings](#)[Support](#)[Controller Management](#)




Site

HQ


Save

## Managed Devices

[+ Add Device](#)

Switch Model	System Name	Serial Number	IP Address	FW Version	AV Version	Status	
 M4250-8G2XF-PoE+ GSM4210PX		6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Online	<a href="#">Configure</a> 
Total 1		10/page	< 1 >	Go to	1		

## Discovered Devices

Switch Model	System Name	Serial Number	MAC Address	IP Address	FW Version	AV Version	
 M4250-8G2XF-PoE+ GSM4210PX	M4250-8G2XF-PoE+-7D5...	6YX32A5FA00F7	94:18:65:7D:5D:28	192.168.77.103	13.0.4.13	2.2.3.16	<a href="#">Onboard</a>
Total 1		10/page	< 1 >	Go to	1		

Once the switch has booted up and is connected to the network you will see it under the **“Discovered Devices.”**  
Click on **“Onboard”** to add the switch.

## Managed Devices

## Switch Model

 M4250-8G2XF-PoE+  
GSM4210PX

## Discovered Devices

## Switch Model

 M4250-8G2XF-PoE+  
GSM4210PX

## System Name

M4250-8G2XF-PoE+-7D5...

## Serial Number

6YX32A5FA00F7

## MAC Address

94:18:65:7D:5D:28

## IP Address

192.168.77.103

## FW Version

13.0.4.13

## AV Version

2.2.3.16

Total 1

10/page

1

Go to 1

## Onboard

Onboard devices to Engage. Note: Login into the switch to have the Engage manage the device. Once logged into the switch, the Engage will apply the site's password onto the device. Engage automatically upgrades device firmware for compatibility as needed.

Device Admin User

admin

Device Password

Device IP Address

192.168.77.103

Use device default password

Use controller site password

Cancel

Apply

If you have already configured a password for the switch, enter it and click **“Apply.”**

For this example, we are using a switch with no configuration.

Toggle the **“Use device default password.”**

## Onboard

Onboard devices to Engage. Note: Login into the switch to have the Engage manage the device. Once logged into the switch, the Engage will apply the site's password onto the device. Engage automatically upgrades device firmware for compatibility as needed.

Device Admin User  
admin

Device Password

Device IP Address  
192.168.77.103

Use device default password

Use controller site password

Cancel

Apply

Click on "Apply."

## Managed Devices

## Switch Model

M4250-8G2XF-PoE+  
GSM4210PX

## Discovered Devices

## Switch Model

M4250-8G2XF-PoE+  
GSM4210PX

## System Name

M4250-8G2XF-PoE+-7D5...

## Serial Number

6YX32A5FA00F7

## MAC Address

## IP Address

192.168.77.103

## FW Version

13.0.4.13

## AV Version

2.2.3.16

Total 1

10/page

&lt;

1

&gt;

Go to 1

[Devices](#) [Topology](#) [Site Settings](#) [Support](#) [Controller Management](#)

Here we can see that the switch has been added.

Save

Managed Devices

[+ Add Device](#)

Switch Model	System Name	Serial Number	IP Address	FW Version	AV Version	Status	
M4250-8G2XF-PoE+ GSM4210PX		6YX32A5FA00F7	192.168.77.103	13.0.4.13	2.2.3.16	Online	<a href="#">Configure</a>
M4250-8G2XF-PoE+ GSM4210PX		6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Online	<a href="#">Configure</a>

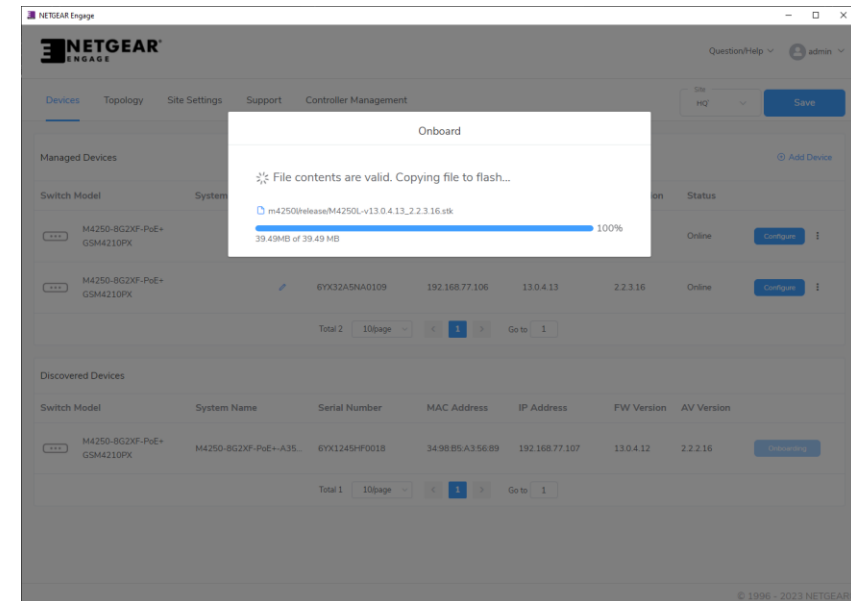
Discovered Devices

Switch Model

If the switch is not on the latest firmware, the “Engage” controller will update the firmware on the switch.

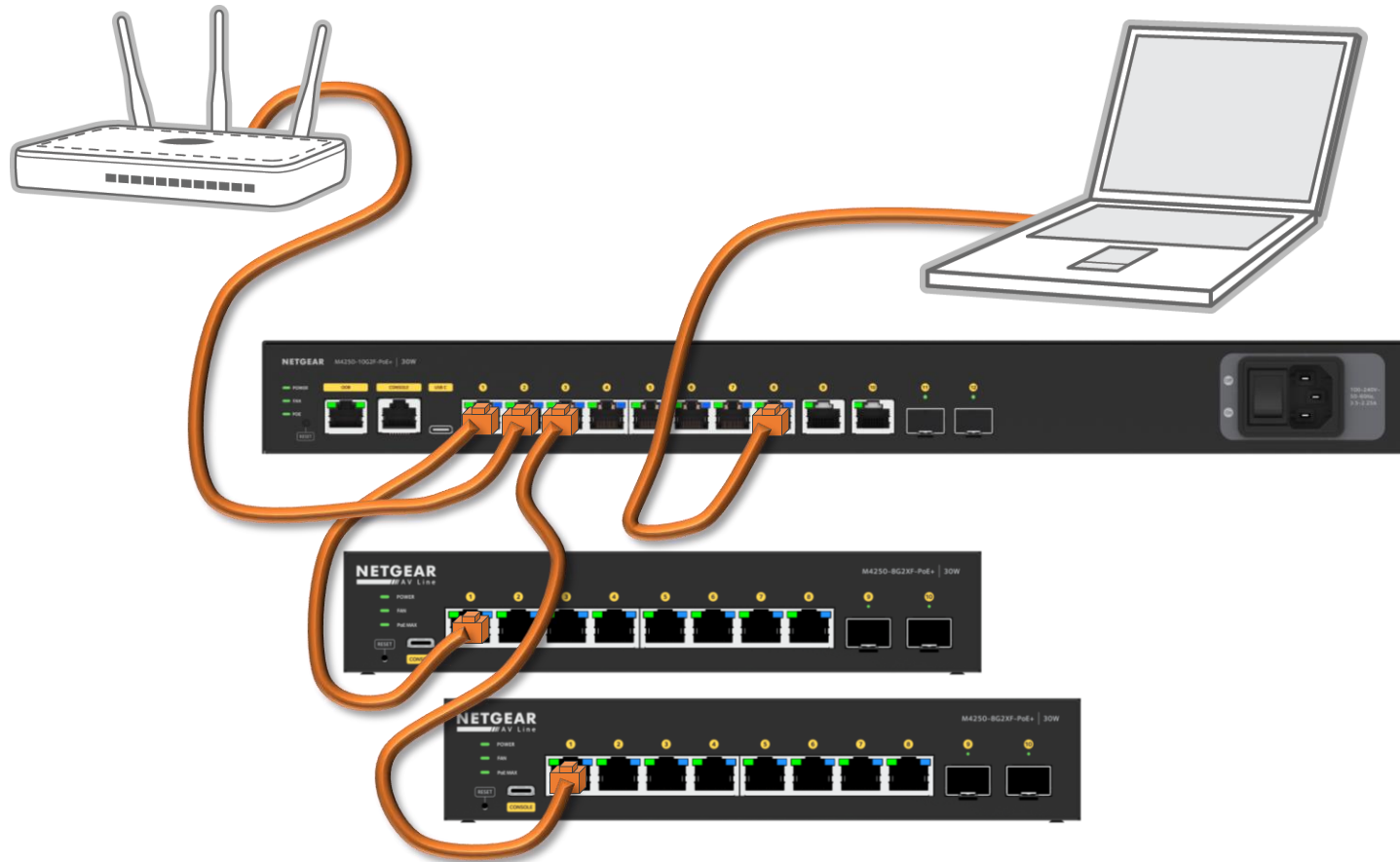
This will cause the device to reboot as the firmware is applied.

**NOTE:** If you run into any issues adding the device to the “Engage” controller, you can manually update the firmware of the device and then add it.



# ADDING DEVICES ON ENGAGE CONTROLLER VIA IP ADDRESS

We are going to add a third switch using the IP address of the switch.





Managed Devices

Click on "Add Device." [+ Add Device](#)

Switch Model	System Name	Serial Number	IP Address	FW Version	AV Version	Status	
M4250-8G2XF-PoE+ GSM4210PX		6YX32A5FA00F7	192.168.77.103	13.0.4.13	2.2.3.16	Online	<a href="#">Configure</a>
M4250-8G2XF-PoE+ GSM4210PX		6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Online	<a href="#">Configure</a>

Total 2  **1** Go to

Discovered Devices

Switch Model	System Name	Serial Number	MAC Address	IP Address	FW Version	AV Version	
M4250-8G2XF-PoE+ GSM4210PX	M4250-8G2XF-PoE+-A35...	6YX1245HF0018	34:98:B5:A3:56:89	192.168.77.107	13.0.4.13	2.2.3.16	<a href="#">Onboard</a>

Total 1  **1** Go to

## Managed Devices

## Switch Model

M4250-8G2XF-PoE+  
GSM4210PX

GSM4210PX

## System Name

## Add Device

Onboard devices to Engage. Note: Log in to the switch to let the controller onboard it. After onboarding, the controller manages the switch and replaces the device password with the site password. Engage automatically upgrades device firmware for compatibility as needed.

Device Admin User

admin

Device Password

Device IP Address

192.168.77.107

Use device default password



Use controller site password



Cancel

Add

Add Device

Type in the IP address of the switch.

If you have already configured a password for the switch, enter it and click **Apply.**

For this example, we are using a switch with no configuration.

Toggle the **“Use device default password.”**

## Discovered Devices

## Switch Model

M4250-8G2XF-PoE+  
GSM4210PX

## System Name

M4250-8G2XF-PoE+-A35...

## Serial Number

6YX1245HF0018

## MAC Address

34:98:B5:A3:56:89

## IP Address

192.168.77.107

## FW Version

13.0.4.13

## AV Version

2.2.3.16

Onboard

Total 1

10/page



1



Go to

1

## Add Device

Onboard devices to Engage. Note: Log in to the switch to let the controller onboard it. After onboarding, the controller manages the switch and replaces the device password with the site password. Engage automatically upgrades device firmware for compatibility as needed.

Device Admin User

admin

Device Password

Device IP Address

192.168.77.107

Use device default password



Use controller site password



Cancel

Add

## Managed Devices

## Switch Model

M4250-8G2XF-PoE+  
GSM4210PXM4250-8G2XF-PoE+  
GSM4210PX

Add Device

## Version

## Status

Online

Configure

Online

Configure

## Discovered Devices

## Switch Model

## System Name

## Serial Number

## Address

## FW Version

## AV Version

M4250-8G2XF-PoE+  
GSM4210PX

M4250-8G2XF-PoE+-A35...

6YX1245HF0018

34:98:B5:A3:56:89

192.168.77.107

13.0.4.13

2.2.3.16

Onboard

Click on "Apply."

Total 1

10/page



1



Go to

1

Here we can see that the switch has been added.

[Save](#)

Managed Devices

[Add Device](#)

Switch Model	System Name	Serial Number	IP Address	FW Version	AV Version	Status	
M4250-8G2XF-PoE+ GSM4210PX		6YX1245HF0018	192.168.77.107	13.0.4.13	2.2.3.16	Online	<a href="#">Configure</a>
M4250-8G2XF-PoE+ GSM4210PX		6YX32A5FA00F7	192.168.77.103	13.0.4.13	2.2.3.16	Online	<a href="#">Configure</a>
M4250-8G2XF-PoE+ GSM4210PX		6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Online	<a href="#">Configure</a>

Total 3  **1** Go to

Discovered Devices

Switch Model	System Name	Serial Number	MAC Address	IP Address	FW Version	AV Version
 You do not have any discovered devices						

Total 0  **1** Go to

Click on "Topology."

Devices

Topology

Site Settings

Support

Controller Management

Site  
HQ

Save

Managed Devices

Add Device

Switch Model	System Name	Serial Number	IP Address	FW Version	AV Version	Status	
M4250-8G2XF-PoE+ GSM4210PX		6YX1245HF0018	192.168.77.107	13.0.4.13	2.2.3.16	Online	Configure
M4250-8G2XF-PoE+ GSM4210PX		6YX32A5FA00F7	192.168.77.103	13.0.4.13	2.2.3.16	Online	Configure
M4250-8G2XF-PoE+ GSM4210PX		6YX32A5NA0109	192.168.77.106	13.0.4.13	2.2.3.16	Online	Configure

Total 3 10/page 1 Go to 1

Discovered Devices

Switch Model	System Name	Serial Number	MAC Address	IP Address	FW Version	AV Version
You do not have any discovered devices						

Total 0 10/page 1 Go to 1

Here we can see that the topology has populated with the switches that we added.



End

