



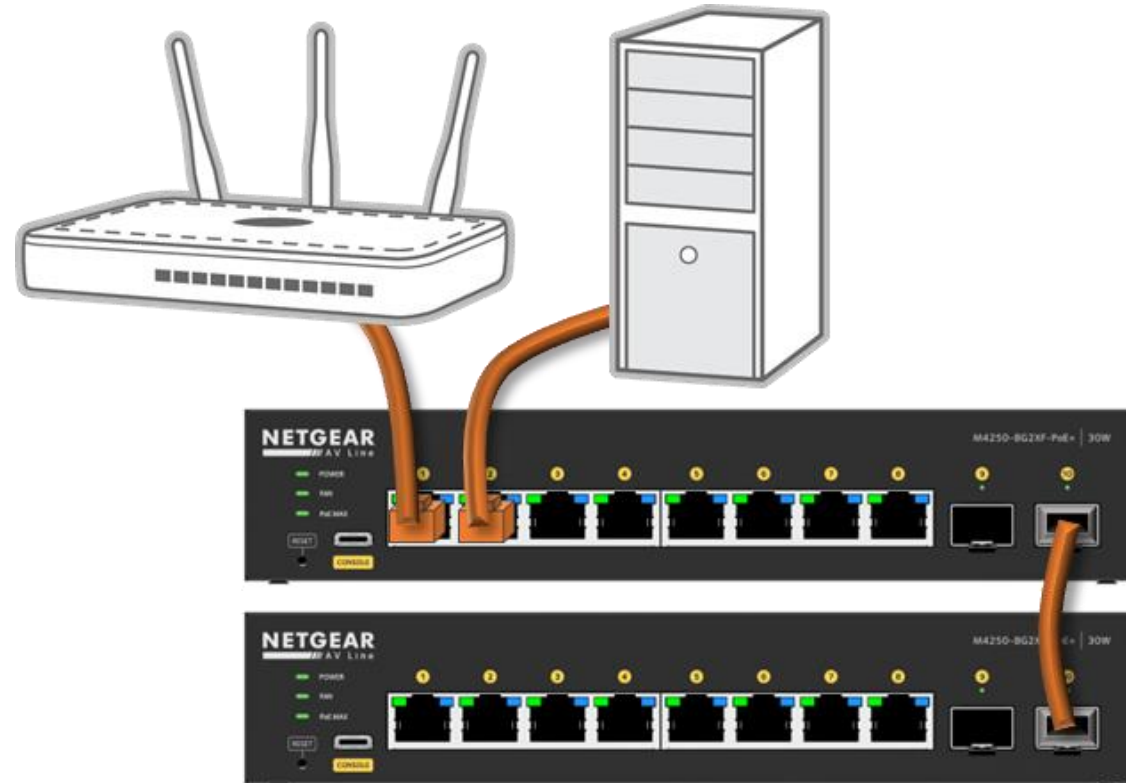
# Configuring AVB

How to configure AVB across the entire network and on a separate VLAN.

# AVB Configuration

In this guide we will be going over how to configure a switch with AVB using the Engage controller.

We will do two examples where we will configure the entire network for AVB and then show how to configure AVB on a separate VLAN and select the ports we want to implement AVB on.



NOTE: In order to configure AVB, you must have an AVB license on each one of the switches you are configuring it on.

AVB will not work with stacked switches or through a LAG.

Click on "Site Settings."

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>

Total 2  **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

## Network Profiles

[Export Worksheet](#) [Create New Profile](#)

Profile Name	Profile Template	VLAN ID
Default	Data	1

Total 1  < 1 > Go to

Edit

Click on the menu icon for the default VLAN and then click on "Edit."

## Global Settings

These setting will be applied to all switches on this site.

Auto-Trunk



Auto-LAG



## Edit Profile

[Back to Network Profiles](#)**1** Profile Template

2 Profile Settings

3 Port Assignment

## Profile Template

Select the profile overview template to provide your AV profile template options

Profile Template

Data



Hybrid

Audio AES67

Audio Dante

Audio Q-SYS

Audio Video AVB

Data

Lighting

Next

Click on the drop-down for **“Profile Template”** and select **“Audio Video AVB.”**

Edit Profile

[Back to Network Profiles](#)

- 1 Profile Template**
- 2 Profile Settings
- 3 Port Assignment

Profile Template

Select the profile overview template to provide your AV profile template options

Profile Template  
Audio Video AVB

Next

Click on "Next."

Edit Profile

[Back to Network Profiles](#)

- 1 Profile Template
- 2 Profile Settings**
- 3 Port Assignment

Profile Settings

Configure your profile settings and preferences

Profile Name Default	Profile Template Audio Video AVB
VLAN ID 1	Color <input checked="" type="checkbox"/> #000000

Click on "Next."

Edit Profile

[Back to Network Profiles](#)

- 1 Profile Template
- 2 Profile Settings**
- 3 Port Assignment

Profile Name: **Default** | VLAN ID: **1** | Profile Template: **Audio Video AVB**

[Show Legends](#) Refresh



Total Number of Configured Switches: 2

Switch Name ↓	Model ↓	Configured Number of Ports ↓	Configured Ports	
6YX32A5NA0109	M4250-8G2XF-PoE+	10	M4250-8G2XF-PoE+ 1 2 3 4 5 6 7 8 9 10	
6YX32A5FA00F7	M4250-8G2XF-PoE+	10	M4250-8G2XF-PoE+ 1 2 3 4 5 6 7 8 9 10	

Previous

Cancel

**Apply**

Click on "Apply."



Edit Profile

Back to Network Profiles

- 1 Profile Template
- 2 Profile Settings
- 3 Port Assignment

Profile Name: Default | VLAN ID: 1 | Profile Template: Audio Video AVB

Show Legends Refresh

6YX32A5FA00F7



6YX32A5F

### Edit Profile

Are you sure you want to apply network port assignments to all the switches on the site?

Cancel

Confirm

Click on "Confirm."

Total Number of Configured Switches: 2

Switch Name Model

6YX32A5NA0109 M4250-8G2XF-PoE+ 10

6YX32A5FA00F7 M4250-8G2XF-PoE+ 10

Previous

Cancel

Apply

Devices

Topology

Site Settings

Support

Controller Management



Site

HQ ▾

Save

## Network Profiles

[Export Worksheet](#) [Create New Profile](#)

Profile Name	Profile Template	VLAN ID	
 Default	Audio Video AVB	1	

Total 1  < **1** > Go to

## Global Settings

These setting will be applied to all switches on this site.

Auto-Trunk



Auto-LAG

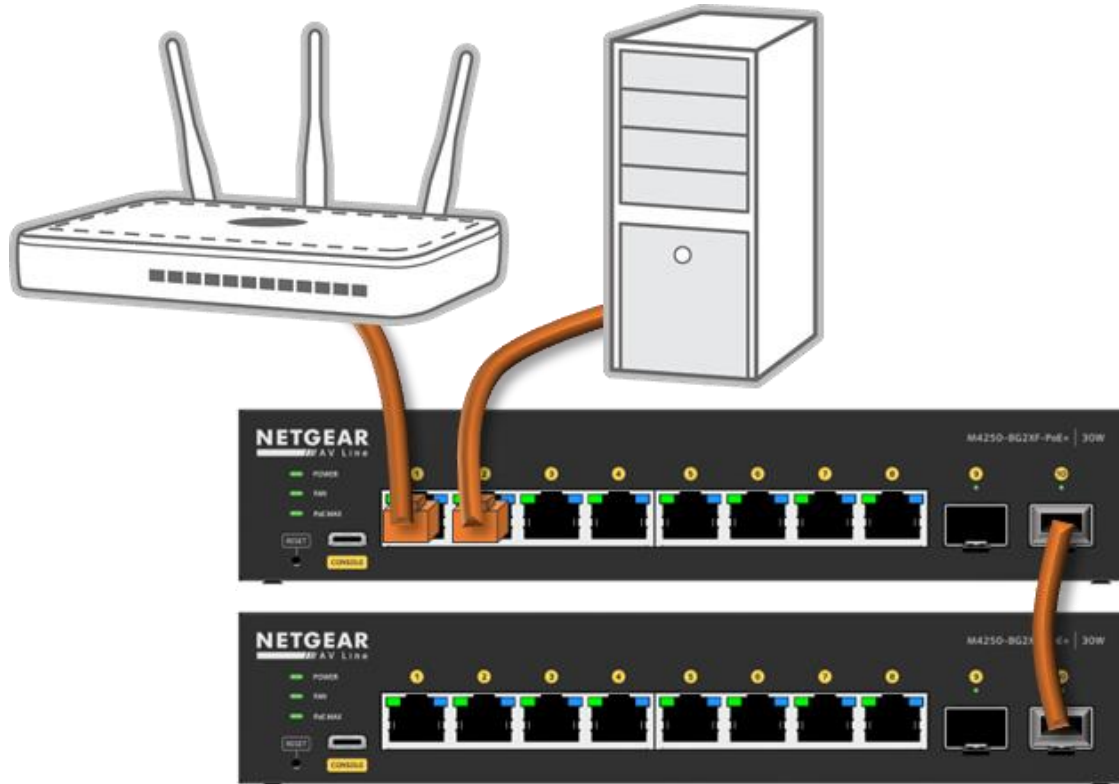


We can now see that the "Profile Template" is now set to "Audio Video AVB."

# AVB Configuration

We are now going to configure AVB on a separate VLAN.

For this configuration we are starting with the default settings.



Network Profiles

[Export Worksheet](#) [+ Create New Profile](#)

Profile Name	Profile Template	VLAN ID	
Default	Data	1	

Total 1  **1** Go to

**Click on "Create New Profile."**

Global Settings

These setting will be applied to all switches on this site.

Auto-Trunk

Auto-LAG

Devices

Topology

Site Settings

Support

Controller Management

Site

HQ ▾

Save

Create New Profile

[Back to Network Profiles](#)

1 Profile Template

2 Profile Settings

3 Port Assignment

## Profile Template

Select the profile overview template to provide your AV profile template options

Profile Template

Select ▾

Click on the drop-down.

Use As Default VLAN Profile



Next

## Create New Profile

[Back to Network Profiles](#)**1** Profile Template

2 Profile Settings

3 Port Assignment

## Profile Template

Select the profile overview template to provide your AV profile template options

Profile Template

Select

Hybrid

Audio AES67

Audio Dante

Audio Q-SYS

Audio Video AVB

Data

Lighting

Next

Select the "Audio Video AVB" profile.

Create New Profile

[Back to Network Profiles](#)

- 1 Profile Template
- 2 Profile Settings
- 3 Port Assignment

Profile Template

Select the profile overview template to provide your AV profile template options

Profile Template  
Audio Video AVB

Profile Description

To connect IP Audio Video AVB devices and their controller.

Use As Default VLAN Profile

Click on "Next."

Next

## Create New Profile

[Back to Network Profiles](#)


1 Profile Template

2 Profile Settings

3 Port Assignment

## Profile Settings

Configure your profile settings and preferences

Profile Name AVB	Profile Template Audio Video AVB ▾
VLAN ID 10	Color  #2FA7C5

We are going to name this VLAN "AVB" and give it an ID of "10," then select the color for the profile.

Previous

Cancel

Next

Click on "Next."



Create New Profile

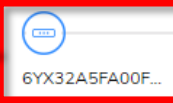
[Back to Network Profiles](#)

1 Profile Template

2 Profile Settings

3 Port Assignment

Profile Name: AVB | VLAN ID: 10 | Profile Template: Audio Video AVB

[Show Legends](#) [Refresh](#) Click on the first switch to select the ports.

6YX32A5FA00F...



6YX32A5NA010...

Total Number of Configured Switches: 0

Switch Name ▾

Model ▾

Configured Number of Ports ▾

Configured Ports



You have no configured switches for this network profile.

Please assign ports for this network profile by clicking on the Switch from the above section.

Previous

Cancel

Apply

Create New Profile

[Back to Network Profiles](#)

- 1 Profile Template
- 2 Profile Settings
- 3 Port Assignment

Profile Name: AVB | VLAN ID: 10 | Profile Template: Audio Video AVB

[Show Legends](#) [Refresh](#)



6YX32A5FA00F7

[Untag all](#)

We are going to select ports 6, 7, & 8.

Click on the next switch.

Total Number of Configured Switches: 1

Switch Name	Model	Configured Number of Ports	Configured Ports		
6YX32A5FA00F7	M4250-8G2XF-PoE+	3	M4250-8G2XF-PoE+ 6 7 8		

[Previous](#)

[Cancel](#) [Apply](#)

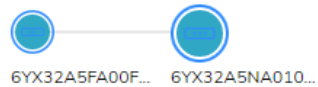
Create New Profile

[Back to Network Profiles](#)

- 1 Profile Template
- 2 Profile Settings
- 3 Port Assignment

Profile Name: AVB | VLAN ID: 10 | Profile Template: Audio Video AVB

[Show Legends](#) [Refresh](#)



6YX32A5NA0109



We are going to select all the ports on the second switch.

Total Number of Configured Switches: 2

Switch Name ↓	Model ↓	Configured Number of Ports ↓	Configured Ports	
6YX32A5NA0109	M4250-8G2XF-PoE+	8	M4250-8G2XF-PoE+ 1 2 3 4 5 6 7 8	
6YX32A5FA00F7	M4250-8G2XF-PoE+	3	M4250-8G2XF-PoE+ 6 7 8	

Previous

Cancel

Apply

If you have any more switches, you can select them from here and add the ports you want to configure for AVB.

Click on "Apply."

Create New Profile

[Back to Network Profiles](#)

- 1 Profile Template
- 2 Profile Settings**
- 3 Port Assignment

Profile Name: AVB | VLAN ID: 10 | Profile Template: Audio Video AVB

[Show Legends](#) [Refresh](#)

6YX32A5NA0109

Create New Profile

Are you sure you want to apply network port assignments to all the switches on the site?

Cancel Confirm

Click on "Confirm."

Total Number of Configured Switches: 2

Switch Name ↓ Model ↓

6YX32A5NA0109 M4250-8G2XF-PoE+ 8

6YX32A5FA00F7 M4250-8G2XF-PoE+ 3

Previous

Cancel Apply

## Network Profiles

[Export Worksheet](#) [Create New Profile](#)

Profile Name	Profile Template	VLAN ID	
Default	Data	1	
AVB	Audio Video AVB	10	

Total 2  **1** Go to

## Global Settings

These setting will be applied to all switches on this site.

Auto-Trunk Auto-LAG 

We have now created a new VLAN using the "Network Profiles" for AVB, you can edit the VLAN from here to change any of the port configuration.

