You can use the following steps to configure a VLAN with RocketLinx managed switches.

- Create a VLAN
- Add a port as a member of a VLAN (Page 3)
- Configuring VLAN ports (Page 4)
- Removing a VLAN (Page 5)
- <u>Note</u>: Although the images in this document illustrate an ES7510-XT, this procedure is the same on all RocketLinx managed switches.

Creating a VLAN

Use the following steps to create a VLAN.

1. Open your web browser, login, and access the VLAN Configuration page.

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□ ES7510-XT -	VLAN Configuration										
 	Management VLAN ID 1										
Control Network Redundancy Control VLAN Configuration	Static VLAN										
VLAN Port Configuration VLAN Configuration GVRP Configuration VLAN Table	VLAN ID Name										
 Private VLAN Traffic Prioritization Influence filtering 	Add										
← 📑 SNMP	Static VLAN Configuration										
►	VLAN ID Name 1 2 3 4 5 6 7 8 9	10									
Monitor and Diag Device Front Panel		U ^									
- 🗋 Save											
Logout											
		-									
	Apply Remove Reload										

ROCKETLINX ES7510-XT

- 2. Under the **Static VLAN** section:
 - a. Enter the desired VLAN ID (1-4094).
 - b. Enter the VLAN Name, which is a string that cannot include spaces. If you do not enter a VLAN name, a VLAN name is assigned, for example, VLAN2.
 - c. Click Add.

The new VLAN appears in the **Static VLAN** section after clicking the **Add** button as highlighted in the next image.

COMTROL' 📑 ES7510-XT VLAN Configuration System 🔶 📑 Basic Setting Management VLAN ID 1 - 📑 Port Configuration 🗝 📑 Power over Ethernet Apply - 🗂 Network Redundancy - 📑 VLAN VLAN Port Configuration Static VLAN VLAN Configuratio VLAN ID Name GVRP Configuration Quad_2 🗋 VLAN Table 🗝 📑 Private VLAN Add 🕶 🗂 Traffic Prioritization - 🗂 Multicast Filtering Static VLAN Configuration - C Security 1 2 3 4 5 6 7 8 9 10 VLAN ID Name - C Warning - 🗂 Monitor and Diag VLAN1 U U U U U U U U U 1 Device Front Panel Save Logout

Remove

Reload

Apply

 Click the Apply button in the Static VLAN Configuration section to apply changes. Make sure you Save the changes before exiting the web page if you want a permanent change.

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] ES7510-XT - 🗋 System	VLAN Configuration											
 Call Basic Setting Call Port Configuration Call Power over Ethernet Call Network Redundancy 	Manager Apply	nent VLAN ID	1									
VLAN	Static VL	AN										
 VLAN Configuration GVRP Configuration 	VLAN ID	Name										
- 🗋 VLAN Table - 🗂 Private VLAN - 🗂 Traffic Prioritization	Add											
- 🗂 Multicast Filtering - 🗂 SNMP	Static VLAN Configuration											
- 🚍 Security - 🚍 Warning	VLAN ID	Name	1 2	3	4	5	6	7	8	9	10	
Monitor and Diag	1	VLAN1	υυ	U	U	U,	U.	U	U	U	U	•
Device Front Panel	2	Quad_2										
- 🗋 Save - 🗋 Logout	3	VLAN3									-	
											_	•

4. To add ports to the new VLANs, go to the next procedure.

Adding a Port as a Member to a VLAN

The Static VLAN Configuration table lists each VLAN with a drop-down box for each port on the switch.

Each drop-down box has the options of **U** for untagged, **T** for tagged, and a dashed line that denotes the port is not a member of that VLAN.

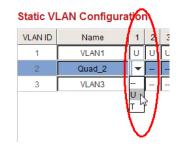
Static VLAN Configuration

- <u>Untagged ports</u> do not attach VLAN tags to packets. Packets tagged for a particular VLAN are forwarded to all ports that are untagged members of that VLAN. Therefore any ports that are connected to devices that are not VLAN aware (almost all devices with the exception of networking devices such as switches and access points).
- <u>Tagged ports</u> attach VLAN tags to packets. Tagged packets are forwarded to other VLAN aware devices (for example, switches). Switches that received tagged packets for a VLAN forward those packets to any of its ports that are untagged members of that VLAN.

Use this procedure to add a port to a VLAN.

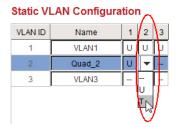
- 1. If you have not done so, navigate to the VLAN Configuration page.
- To add an <u>untagged</u> port to a VLAN set the drop-down box for that port and VLAN to U. The following image shows Port 1 being added as an untagged port to the VLAN named *Quad_2*.
- 3. Click the **Apply** button or optionally configure additional ports before clicking the **Apply** button.

VLAN ID	Name	1	2	3	4	5	6	7	8	9	10	
1	VLAN1	U	Γ	U	U	U	U	U	U	U	U	
2	Quad_2	-	-									
3	VLAN3		F									
			/									
Apply	Remove	F	Relo	ad								



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ES7510-XT	VLAN Co	onfiguration	ı									
Basic Setting Port Configuration Power over Ethermet Network Redundancy VLAN VLAN	Managen Apply Static VL	nent VLAN ID	F	1								
VLAN Poil Configuration VLAN Configuration GVRP Configuration VLAN Table		Name										
Private VLAN Traffic Prioritization	Add											
 Image: Multicast Filtering Image: SNMP 	Static VL	AN Configura	tior	n								
← 📑 Security ← 📑 Warning	VLAN ID	Name	1	2	3	4	5	6	7	8	9	10
🕶 🚍 Monitor and Diag	1	VLAN1	U	U	U	U	U	U	U	U	U	U
Device Front Panel	2	Quad_2	U									
C Save	3	VLAN3										
(Aroly	Remove	F	Reloa	ad							

- 4. To add a <u>tagged</u> port to a VLAN set the drop-down box for that port VLAN to **T**. The following image shows Port 2 being added as a tagged port to a VLAN named *Quad* 2.
- 5. Click the **Apply** button or optionally configure additional ports



and

before clicking the **Apply** button.

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		nfiguration ent VLAN ID AN Name	Ē	1]							
← 📑 SNMP	Static VL	AN Configura	tior	ı									
► 📑 Security ► 🗂 Warning	VLAN ID	Name	1	2	3	4	5	6	7	8	9	10	
Monitor and Diag	1	VLAN1	U	U	U	U	U	U	U	U	U	U	-
Device Front Panel	2	Quad_2	U	Т									
— 🗋 Save — 🗋 Logout	3	VLAN3											
													•

6. Go to the next procedure to complete the process of setting up a VLAN.

Configure a Port for the VLAN

Use the following steps to configure a port for a VLAN.

1. If necessary, open your web browser, login, and access the VLAN Port Configuration page.

			Configuration		
⊢ 📑 Power over Ethernet ⊢ 📑 Network Redundancy	Port	PVID	Tunnel Mode	Accept Frame Type	Ingress Filtering
	1	1	None	Admit All	Disable
- 🗋 VLAN Port Configuration	2	1	None	Admit All	Disable
 VLAN Configuration 	3	1	None	Admit All	Disable
 GVRP Configuration VLAN Table 	4	1	None	Admit All	Disable
►	5	1	None	Admit All	Disable
Traffic Prioritization	6	1	None	Admit All	Disable
⊢ 📑 Multicast Filtering ⊢ 🗂 SNMP	7	1	None	Admit All	Disable
► 📑 Security	8	1	None	Admit All	Disable
⊢ 🗂 Warning	9	1	None	Admit All	Disable
⊢ 🗂 Monitor and Diag — 🗋 Device Front Panel	10	1	None	Admit All	Disable

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ES7510-XT

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- 📑 Basic Setting

- Configuration

- 2. Double-click the existing PVID value for the port that you want to make a member, highlight the existing value and change the port PVID value to the VLAN. This image shows adding Port 2 to the VLAN named Quad_2.
- 3. Click the Apply button
- 4. Make sure that you Save the changes if you want the changes to be permanent.

ROCKETLINX ES7510-XT

VLAN Port Configuration

VLAN Port Configuration

			-			
C Power over Ethernet Power Network Redundancy	Port	PVID	Tunnel Mode	Accept Frame Type	Ingress Filtering	
	1	1	None	Admit All	Disable	
- 🗋 VLAN Port Configuration	2	2	None	Admit All	Disable	
 VLAN Configuration 	3	1	None	Admit All	Disable	
GVRP Configuration VLAN Table	4	1	None	Admit All	Disable	
←	5	1	None	Admit All	Disable	
← ☐ Traffic Prioritization	6	1	None	Admit All	Disable	
 Image: Multicast Filtering Image: SNMP 	7	1	None	Admit All	Disable	
• 📑 Security	8	1	None	Admit All	Disable	
🗝 📑 Warning	9	1	None	Admit All	Disable	
 Monitor and Diag Device Front Panel 	10	1	None	Admit All	Disable	-
- Save	Ap	dy a)			
Logout	App	17 J				

Removing a VLAN

Use these steps to remove a VLAN.

- 1. Open your web browser, login, and access the VLAN Configuration page.
- 2. Highlight the VLAN in the Static VLAN Configuration table that you want to remove.

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ES7510-XT	VLAN Co	nfiguratio	ı										
Basic Setting Port Configuration Power over Ethernet Network Redundancy QUAN	Managem Apply	ent VLAN ID	ľ	1									
VLAN Port Configuration	Static VL/	AN											
VLAN Configuration GVRP Configuration VLAN Table	VLAN ID	Name											
►	Add												
🗠 📑 Multicast Filtering													
⊷	Static VL/	AN Configura	tio	n									
- T Warning	VLAN ID	Name	1	2	3	4	5	6	7	8	9	10	
🗠 🚍 Monitor and Diag	- I and	VEANT	U	σ	υ	υ	υ	σ	U	U.	μ.	U.	-
Device Front Panel	2	Quad_2	U										\mathbf{P}
- 🗋 Save	3	VLAN3										-	
	Apply	Remove)	Reloa	ad							, ,	•