

RocketLinX VLAN Web Interface Configuration

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)

Note: 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.

ROCKETLINX ES7510-XT
CONTROL

ES7510-XT
System
Basic Setting
Port Configuration
Power over Ethernet
Network Redundancy
VLAN
VLAN Port Configuration
VLAN Configuration
GVRP Configuration
VLAN Table
Private VLAN
Traffic Prioritization
Multicast Filtering
SNMP
Security
Warning
Monitor and Diag
Device Front Panel
Save
Logout

VLAN Configuration

Management VLAN ID

Apply

Static VLAN

VLAN ID	Name
<input type="text"/>	<input type="text"/>

Add

Static VLAN Configuration

VLAN ID	Name	1	2	3	4	5	6	7	8	9	10
1	VLAN1	U	U	U	U	U	U	U	U	U	U

Apply Remove Reload

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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.

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- Save
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VLAN Configuration

Management VLAN ID

Apply

Static VLAN

VLAN ID	Name
2	Quad_2

Add

Static VLAN Configuration

VLAN ID	Name	1	2	3	4	5	6	7	8	9	10
1	VLAN1	U	U	U	U	U	U	U	U	U	U

Apply **Remove** **Reload**

3. 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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- Logout

VLAN Configuration

Management VLAN ID

Apply

Static VLAN

VLAN ID	Name
<input type="text"/>	<input type="text"/>

Add

Static VLAN Configuration

VLAN ID	Name	1	2	3	4	5	6	7	8	9	10
1	VLAN1	U	U	U	U	U	U	U	U	U	U
2	Quad_2	--	--	--	--	--	--	--	--	--	--
3	VLAN3	--	--	--	--	--	--	--	--	--	--

Apply **Remove** **Reload**

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

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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.

- **Untagged ports** 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).
- **Tagged ports** 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.

Static VLAN Configuration

VLAN ID	Name	1	2	3	4	5	6	7	8	9	10
1	VLAN1	U	U	U	U	U	U	U	U	U	U
2	Quad_2	▼	-	-	-	-	-	-	-	-	-
3	VLAN3	-	-	-	-	-	-	-	-	-	-

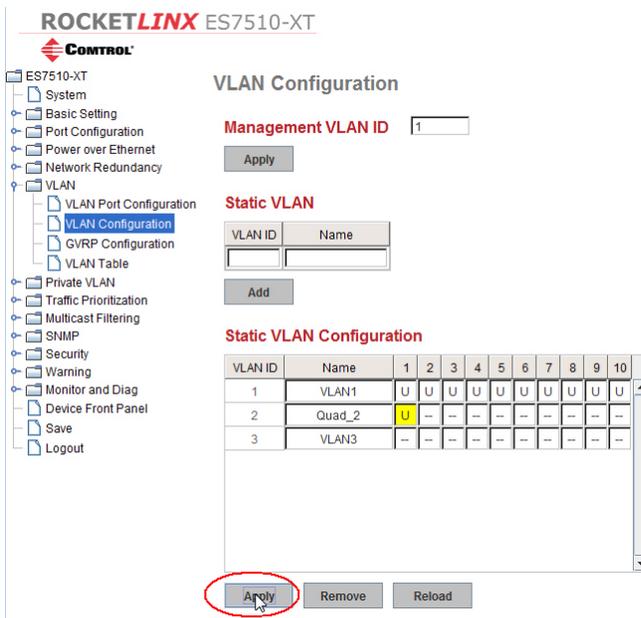
Apply Remove Reload

Use this procedure to add a port to a VLAN.

1. If you have not done so, navigate to the *VLAN Configuration* page.
2. To add an **untagged** 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.

Static VLAN Configuration

VLAN ID	Name	1	2	3
1	VLAN1	U	U	U
2	Quad_2	▼	-	-
3	VLAN3	-	-	-



4. To add a **tagged** port to a VLAN set the drop-down box for that port and 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

Static VLAN Configuration

VLAN ID	Name	1	2	3
1	VLAN1	U	U	U
2	Quad_2	U	▼	-
3	VLAN3	-	-	-

and

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before clicking the **Apply** button.

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- Warning
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- Device Front Panel
- Save
- Logout

VLAN Configuration

Management VLAN ID

Apply

Static VLAN

VLAN ID	Name
<input type="text"/>	<input type="text"/>

Add

Static VLAN Configuration

VLAN ID	Name	1	2	3	4	5	6	7	8	9	10
1	VLAN1	U	U	U	U	U	U	U	U	U	U
2	Quad_2	U	T	--	--	--	--	--	--	--	--
3	VLAN3	--	--	--	--	--	--	--	--	--	--

Apply Remove Reload

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.

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VLAN Port Configuration

VLAN Port Configuration

Port	PVID	Tunnel Mode	Accept Frame Type	Ingress Filtering
1	1	None	Admit All	Disable
2	1	None	Admit All	Disable
3	1	None	Admit All	Disable
4	1	None	Admit All	Disable
5	1	None	Admit All	Disable
6	1	None	Admit All	Disable
7	1	None	Admit All	Disable
8	1	None	Admit All	Disable
9	1	None	Admit All	Disable
10	1	None	Admit All	Disable

Apply

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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.

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CONTROL

VLAN Port Configuration

VLAN Port Configuration

Port	PVID	Tunnel Mode	Accept Frame Type	Ingress Filtering
1	1	None	Admit All	Disable
2	2	None	Admit All	Disable
3	1	None	Admit All	Disable
4	1	None	Admit All	Disable
5	1	None	Admit All	Disable
6	1	None	Admit All	Disable
7	1	None	Admit All	Disable
8	1	None	Admit All	Disable
9	1	None	Admit All	Disable
10	1	None	Admit All	Disable

Apply

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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CONTROL

VLAN Configuration

Management VLAN ID

Apply

Static VLAN

VLAN ID	Name
<input type="text"/>	<input type="text"/>

Add

Static VLAN Configuration

VLAN ID	Name	1	2	3	4	5	6	7	8	9	10
1	VLAN1	U	U	U	U	U	U	U	U	U	U
2	Quad_2	U	--	--	--	--	--	--	--	--	--
3	VLAN3	--	--	--	--	--	--	--	--	--	--

Apply **Remove** **Reload**