

Core Switch ALM Red Light



Overview

When a Routing Engine detects an alarm condition, it lights the red or yellow alarm LED on the RCB management panel as appropriate.

Key Takeaways

A red ALM light on a Juniper core switch indicates a major alarm, signaling a critical error that requires immediate attention.

Understanding the Red ALM Light

On Juniper switches, the ALM LED signals the presence of an alarm condition. A red ALM light specifically indicates a major alarm, which is a critical error that could affect the switch's operation or network connectivity. Common causes include: Hardware failures such as power supply issues, fan tray errors, or component overheating.

System configuration issues, like a missing rescue configuration or failure to install a required license. Management port link down, especially on switches with factory default settings where the management port is not connected. Minor alarms, indicated by an amber or yellow ALM light, are less critical but should still be monitored to prevent service degradation.

Troubleshooting Steps

Check System Alarms via CLI: Use the command `show system alarms` to view active alarms and their severity. This will display both major and minor alarms and help identify the root cause. Inspect Hardware Components: Verify that all fans, power supplies, and modules are functioning correctly.

Replace or reseal any faulty components. Verify Management Port and Rescue Configuration: If the red light is due to a missing rescue configuration or management port link down, either save a rescue configuration or connect the management port. You can also configure the system to ignore the management port alarm if it is not used.

Clear the Alarm: After resolving the underlying issue, the ALM LED should turn off. You can confirm by re-running show system alarms to ensure no active major alarms remain.

Key Notes

Major alarms require immediate action to prevent network disruption. Preset alarms cannot be modified, but system alarms can be configured to display in the CLI or J-Web interface. Always document any changes and monitor the switch after clearing alarms to ensure stability.

By following these steps, you can identify the cause of the red ALM light on your core switch and take appropriate corrective action to restore normal operation.

Article Content

[How to Troubleshoot Error Conditions | Juniper Networks](#)

When a Routing Engine detects an alarm condition, it lights the red or yellow alarm LED on the RCB management panel as appropriate. To view a more detailed description of the alarm cause, issue the

[Troubleshoot the QFX5120 Device | Juniper Networks](#)

Interface alarm—Alarm that you configure to alert you when an interface link is down. Applies to ethernet, fibre-channel, and management-ethernet interfaces. You can configure a red (major) or

[How to turn off the alarm LED on Juniper Switches \(e.g. EX2200-C\)](#)

When you have a Juniper switch with factory settings you will have an always-on red alarm LED (labeled "ALM"). This is because the switch does not have link on the management port

[Stopping the Juniper EX switch alarm light | Dan Massey's Blog](#)

When we spin up a new EX 2200 switch the Alarm light always comes on. This post shows how to trace the issue and fix the problem. Then hopefully your switch will not have that

[GS19020-24HP ALM led red but device works](#)

On my switch, the red ALM led is lit on 2 ports but the peripherals (a Phillips TV and a Sonos connect) work perfectly. What can I check to correct this problem?

Chassis Status LEDs in EX4200 Switches | Juniper Networks EX3200

A major alarm (red) indicates a critical error condition that requires immediate action. A minor alarm (amber) indicates a noncritical condition that requires monitoring or maintenance.

Used EX3400, both psu AC and DC red, bricked?

Assumed alm was red because nothing connected to console port. Left the switch for about 30 minutes. Came back, only psu fan working, and both AC and DC leds are red. Switch doesn't respond,

PA 220 ALM Red light

06-26-2023 12:32 AM Hi Guys, I'm a newbie on PA still studying. I got a question, we are seeing a red light on ALM on our PA 220. I did some research and it was about threat and application updates. I

alarms on ex2200 | Switching

i have a few ex2200 where the red alarm light is illuminated. i read that it can appear if the management link is not plugged in. i issued the following command: set chassis alarm management-ethernet link

I can't find how to clear led alarm in juniper

How can I clear led alarm in my juniper after problem has been resolved? I find the command "clear led alarm", but in my CLI I have only: root@EX2200-2501-03> clear l ^ "|" is

How To Check Yellow Redalarm In Juniper

Yellow alarm conditions light the yellow LED on either the router's craft interface or the switch's LCD screen, triggering an audible alarm if connected.

Alarms | Junos OS | Juniper Networks

Switches provide predefined system alarms that can be triggered by a missing rescue configuration, failure to install a license for a licensed software feature, or high disk usage. You can display alarm

Troubleshooting the ACX5448, ACX5448-D, and ACX5448-M Router

Major (steady red)—Indicates a critical situation on the router that has resulted from one of the following conditions. A major alarm condition requires immediate action.

ZYXEL ES-2024 Factory Reset Firmware Upload, RED ALM light on

this video will help you with a RED ALM light on your Zyxel switch and help if you forgot your password or you can't login to your switch. I'm far from knowing w...

EX2300 cluster red alarm | Switching

Hello, I have a virtual chassis with 2 EX2300 switches. Today, I saw a red LED on one of the switches, but I couldn't find the reason for that. How can I find the is

Avaya Knowledge

Check the configuration and found out that this media gateway has no card on it. Verify with customer that they replace media gateway with g450 but let g430 stay to use DSP resources.

EX4100-F Chassis | Juniper Networks

Chassis Status LEDs on EX4100-F Switches EX4100-F switches have four chassis status LEDs (labeled SYS, ALM, MST, and CLD) on the right side of the front panel .

Re: [j-nsp] QFX5100 red alarm after power-off

Plugging an active Ethernet cable into the > management (MGMT) port on the switch completes the network link and turns off > the ALM LED. (See Connecting a Device to a Network for

Contact Us

Continue your research online:

Website: <https://ensaa.es>

Technical inquiry: <https://ensaa.es/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

