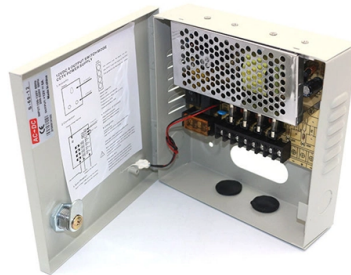


Huawei Core Switch Temperature



AI Overview

Huawei core switches operate safely within 0°C to 40°C ambient temperature, with internal PCB temperatures monitored against configurable alarm thresholds.

Operating Temperature

Huawei CloudEngine series core switches, including models like the S16700, 9800, 8800, 7800, 6800, 5800, and 16800 series, are designed to operate normally in an ambient temperature range of 0°C to 40°C at altitudes up to 1800 m. For altitudes above 1800 m, the maximum allowable temperature decreases by 1°C for every 220 m increase in altitude. These values refer to the ambient temperature, not the internal PCB temperature near high-power chips, which is monitored separately.

Internal Temperature Monitoring

Huawei switches provide detailed temperature monitoring through command outputs. Key fields include:

- Status: Indicates the current temperature status (normal, warning, or critical)
- Current: Shows the real-time temperature of the PCB or module
- Major: Upper threshold for a major temperature alarm
- Fatal: Upper threshold for a fatal temperature alarm Default alarm thresholds are typically set at 80°C for major alarms and 90°C for fatal alarms, but these can be configured according to operational requirements. If the displayed temperature does not exceed the alarm threshold, the switch is considered to be operating normally without risk of overheating.

Best Practices

Article Content

CloudEngine S16700 Series Switches

CloudEngine S16700 series switches are flagship core switches with record-high performance designed for high-quality 10 Gbps

Huawei Switches: Temperature

This check monitors the temperature of Huawei switches. It supports the stacking function in which multiple devices are connected

Huawei Core Switch: Network's Beating Heart? Can Centralized

Huawei Core Switch: Network's Beating Heart? Can Centralized Power Redefine Enterprise Scalability? Every enterprise network

9 Query Commands for Huawei Switches

In the modern network environment, switches, as the core equipment of the network, are responsible for key tasks

Network Switches | Huawei Enterprise

Huawei Ethernet Switches Turbocharge your enterprise network with high-performance, high-availability for resilient services and

Huawei CloudEngine S16700 Series Flagship Core Switches Datasheet

Power modules support dual inputs, work in N+1 or N+N hot standby mode, and have their own heat dissipation system. Fan

How Do I View the Device Temperature?

Why Cannot a Switch Start and Why Are DHCP Discovery Errors Generated on the Console Port? Why Cannot ZTP

Huawei S6700 Series Switches Product Brochure

As shown in the following figure, the S9700 Terabit routing switches function as core switches in a data center and use firewall and

Displaying the Temperature

If the fault persists, go to step 5. Check the chip temperature of cards. Run the display temperature all command to view the chip

Do the CloudEngine Series Switches Support Overtemperature

Cards of CE series switches have temperature-sensitive hardware components to monitor real-time temperature in high-temperature

CloudEngine 12800 Series Data Center Core Switches

Product Overview The CloudEngine 12800 (CE12800) series switches are next-generation, high-performance core switches

CloudEngine Series Data Center Switches

Huawei CloudEngine (CE) series switches are high-performance cloud switches designed for next-generation data centers and high

CloudEngine S12700E Series Switches Datasheet

By using a next-generation cell switching architecture, CloudEngine S12700E ensures non-blocking service data forwarding on core

Huawei Core Switch: Das schlagende Herz des Netzwerks? Kann ...

Jedes Unternehmensnetzwerk hat einen stillen Diktator – den Huawei Core Switch. Versteckt in Serverräumen oder Rechenzentren

Huawei Switch Temperature Commands | PDF | Command Line

The document provides commands and information for summarizing various aspects of a network device including: {1} Displaying the

What Is the Operating Temperature Range of the CloudEngine Series ...

When the altitude is between 1800 m and 5000 m, the highest operating temperature for the CloudEngine 9800, 8800, 7800, 6800,

Campus Switches | Huawei Enterprise

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and

Switch Maximum Operating Temperature C9300/C9500

I'm having a quandary with temperatures on switches. The data sheet for these devices state that the max operating

Open Hardware Monitor

The Open Hardware Monitor is a free open source software that monitors temperature sensors, fan speeds, voltages,

Working Temperature of the Huawei Switches

You can run the display environment command (changed into display temperature in V200R005 and later versions) to

Checking Whether the Switch Is Working in Intelligent Heat

If the switch does not fall into any of the preceding ones, go to Checking Whether This Is a Known Problem for troubleshooting. If the

Huawei Core Switch: Network's Beating Heart? Can Centralized

Traditional core switches fail catastrophically—one power supply dies, and the whole network flatlines. The Huawei core switch

Data Center Switches

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and

Configuring Temperature Alarm Thresholds

Context Temperature of a device increases as the ambient temperature rises and the device has been running for a longer time.

How Do I Check the Device Temperature?

What Do the Alarms Displayed by the display alarm active Command Mean? How Do Fans Adjust Their Speed Based

Huawei switch monitoring

I would like to use the checkmk built-in plugins huawei_switch_stack and huawei_switch_temp to monitor stackvalues

display temperature

A high or low device temperature may damage the hardware. This command displays the current device temperature. When the

Swi: Overtemperature (Minor, LSW Temp/FAB. Temp/FAB. LSW

Description Alarm message: Temperature above minor threshold This alarm is generated when the temperature of the switch module

How Do I View the Device Temperature?

In the command output, the Status field indicates the temperature status, the Current field indicates the current

Huawei Switch Temperature Commands

Huawei_Certification_note_commands_001pdf - Free download as PDF File (.pdf), Text File (.txt) or read online for free. The

Switches

Switches After more than 20 years of unremitting efforts and stable development, Huawei provides extensive experience in Ethernet

SME Network Solution Typical Configuration Examples

"Gateway + Core Switch + Access Switch + AP" Networking: Huawei eKit Cloud Management "Gateway + Core Switch + Access

Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the

Configuring Temperature Alarm Thresholds

The upper and lower temperature alarm thresholds are configured. By default, the lower temperature threshold is -3°C on the S5731

Contact Us

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