

Power Consumption of Huawei Access Switches

Article Overview

Huawei access switches typically consume between 20 W and 1000 W depending on model, port configuration, and PoE usage, with energy-saving features available on most series.

Typical Power Consumption by Series

- **S5700-LI Series:** These energy-saving gigabit Ethernet switches are designed for access layer deployment. Standard models without PoE consume relatively low power, while PoE-enabled models draw additional power depending on the number of active PoE ports. The S5700-LI-BAT series includes built-in batteries to maintain operation during mains power failures, which slightly increases standby power consumption but ensures uninterrupted service .
- **S5720-EI Series:** Enhanced gigabit Ethernet switches with flexible GE access ports and 10GE uplinks. These switches feature built-in heat dissipation systems, eliminating the need for additional fan trays, which reduces overall power draw. Power consumption varies with port usage, uplink configuration, and whether PoE is enabled .
- **CloudEngine S5735-L Series:** Simplified gigabit Ethernet switches suitable for enterprise campus access. PoE models, such as the S5735-L48P4X-A, can support a 1000 W PoE power module, which significantly increases total power consumption when all PoE ports are active. Non-PoE models consume considerably less, typically under 100 W for standard configurations

Article Content

Jan 11, 2026

Using the Hardware Configuration Tool to Calculate Power Consumption

Using the Hardware Configuration Tool to Calculate Power Consumption of Equipment
Figure 4-4 shows the web page of the

Aug 22, 2025

S5700-LI Switch Datasheet (Detailed Version)

Huawei S5700-LI-BAT series battery LAN switches (S5700-LI-BAT for short) are the industry's first switch series to support built-in

Jan 22, 2026

CloudEngine 6800 Series Switches | Huawei Enterprise

CloudEngine 6800 Series Data Center Switches Next-generation high-performance, high-density intelligent 10/25/50GE Ethernet

May 29, 2026

Huawei PoE Switches – Powering PoE APs with Energy Efficiency 2025

This guide explains how Huawei PoE switches enhance performance, improve energy efficiency, and integrate

Sep 18, 2025

Huawei CloudEngine S5735-L Series Switches Datasheet

OVERVIEW Huawei CloudEngine S5735 -L series switches are ideal for scenarios such as enterprise campus network access and

Jul 12, 2026

Huawei PoE Switches – Powering PoE APs with Energy Efficiency 2025

Learn how Huawei PoE switches save energy by powering PoE access points and PoE Wi-Fi APs. Get your Huawei

Jun 01, 2026

How Much Wattage Does A Network Switch Use

Learn about the power consumption of network switches and how to calculate the wattage usage for your specific

Apr 09, 2026

S5700-LI Series Gigabit Enterprise Switches

Huawei S5700-LI-BAT series battery LAN switches (S5700-LI-BAT for short) are the industry's first switch series to support batteries

Mar 29, 2026

How to calculate power consumption of HUAWEI devices

After the configuration is completed, click the calculation function at the bottom of the page to calculate the power

Nov 18, 2025

S5731-S48P4X Datasheet

The Huawei CloudEngine S5731-S series switches were developed based on next-generation high-performing hardware and the

Apr 06, 2026

CloudEngine S5731-S Series Switches Datasheet

CloudEngine S5731-S series switches support PoE. They have two power module slots, each of which can have a 1000 W PoE

Jul 30, 2025

S6300 Series 10GE Switches

Product Overview The S6300 series switches (S6300s) are 10G box switches. The S6300 can function as an access switch in an

Feb 28, 2026

Using the Hardware Configuration Tool to Calculate Power

You can use this tool to calculate the power consumption of a switch. This document describes hardware installation procedures of

Aug 14, 2025

Huawei Cloudengine S5731-s48p4x

The Huawei S5731-S48P4X is a PoE (Power over Ethernet) switch featuring 48 10/100/1000BASE-T ports and 4 10GE SFP+ ports. It

Dec 07, 2025

S5700-LI Switch Datasheet (Detailed Version)

These technologies help reduce power consumption by adjusting power depending on the Up/Down states of links,

Jan 27, 2026

CloudEngine 5800 Series Data Center Switches

Product Overview Huawei CloudEngine 5800 series (CE5800) switches are next-generation, high-density Gigabit Ethernet switches

Jul 19, 2026

Power Consumption

Click Power Consumption in the function area to display the Power Consumption page. Select a time period from the drop-down list

Mar 25, 2026

S5720-SI Series Standard Gigabit Ethernet Switches

S5720-SI Series Standard Gigabit Ethernet Switches The S5720-SI series switches are standard Layer 3 Gigabit Ethernet switches

Apr 09, 2026

CloudEngine S5731-S Series Switches

Huawei CloudEngine S5731-S series standard gigabit access switches provide full-gigabit electrical ports and fixed 10 GE uplink

Jan 14, 2026

S5700 Series Switches Product Description (V200)

Huawei S5700 series Ethernet switches are next-generation energy-saving GE switches designed to provide high-bandwidth access

Aug 05, 2025

Wireless Access Controller

The AC6005 is a small-capacity fixed wireless access controller (AC) for small and medium enterprises. It can manage up to 256

Apr 21, 2026

Huawei SmartAX MA5600T OLT Datasheet

Overview Huawei SmartAX MA5600T is the global first OLT which integrates the functionality of aggregation switch and edge router.

Dec 11, 2025

Huawei CloudEngine 8800 Switch Datasheet

The CloudEngine 8800 series switches have energy-saving chips and can measure system power consumption in real time. Fan

Jan 30, 2026

CloudEngine S5735-S-V2 Series Switches | Huawei Enterprise

Huawei S5735-S V2 gigabit switches provide flexible access for Wi-Fi 6 networks. They support ZTP and free mobility. Learn more.

Dec 25, 2025

Huawei S5720-LI Series Switches Product Brochure

- The PoE++ model provides an up to 60W PoE power supply per port, accommodating the requirements of scenarios in which a

Apr 04, 2026

Huawei S6700 Series Switches Product Brochure

Huawei S6700 Series Switches Product Brochure Product Overview The S6700 series switches (S6700s) are next-generation 10G

Feb 26, 2026

CloudEngine S5731-S Series Switches-R21C01

One CloudEngine S5731-S switch can connect to multiple aggregation switches through multiple links, implementing backup of

Mar 11, 2026

S5720-LI Series Simplified Gigabit Ethernet Switches

Only the 220 V power module needs to be grounded. This design facilitates switch deployment in the places where grounding is

May 04, 2026

S5720-52P-PWR-LI-AC Datasheet Overview

R-LI-AC Datasheet Get a Quote Overview Huawei S5720-52P-PWR-LI-AC is the Huawei S5720-LI series switch, providing 48

Contact Us

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