

Huawei Industrial-Grade Switch Models



AI Overview

Huawei offers a range of industrial switches, including the CloudEngine S5731I-L and S5735I-S-V2 series, designed for rugged, high-performance industrial networking applications. Overview of Huawei Industrial Switches Huawei industrial switches are engineered for smart manufacturing, transportation, electric power, and safe city applications, providing high reliability, low latency, and support for AI and 5G-enabled networks. These switches are designed to operate in harsh environments with features like wide temperature ranges, surge protection, and industrial-grade certifications.

Key Models

- CloudEngine S5731I-L Series**
Type: Layer 2 industrial switch
Ports: All-GE downlink ports, 1/10GE optical uplink ports
Management: Local web-based management, plug-and-play
Environmental Resilience: Operating temperature -40°C to 75°C, IP40 protection, isolated power protection, wide voltage input 9.6V–60V
Reliability Features: Supports STP/RSTP, link aggregation, automatic high-priority forwarding for industrial protocols like PROFINET and GOOSE
Applications: Smart manufacturing, smart mining, smart transportation, electric power, and rail transportation
- CloudEngine S5735I-S-V2 Series**
Type: Layer 3 gigabit industrial switch
Ports: 8 x GE downlink ports, 4 x GE/10GE uplink ports
Management & Security: Supports Trusted Platform Module (TPM), hardware root of trust, MAC address authentication, 802.1X authentication, VLAN, QoS, and ACL policy delivery
Environmental Resilience: Industrial-grade operating temperature, outdoor surge protection
Layer 3 Features: OSPF, IS-IS, BGP, VRRP, multicast protocols (PIM SM, DM, SSM, IGMP snooping)
Applications: Safe city networks, Ethernet-to-the-x (ETTx), high-definition video backhaul, and enterprise access/aggregation services

Features Across Huawei Industrial Switches

- High Reliability:** Designed for 99.999% uptime with hot-swappable modules for zero downtime
- AI & 5G Integration:** Supports intelligent network management and high-bandwidth 100G/400G demand

Industrial...

Article Content

What Is YANG?

Yet Another Next Generation (YANG) is a data modeling language. YANG works with Network Configuration Protocol (NETCONF), RESTCONF, Open Programmability System (OPS),

Switches-H3C

Products Data Center Switches Campus Network Switches AON Network Industrial Switches Data Center Switches Ultra-wideband, simple, and intelligent integration For intelligent ultra-wideband

Choosing the Best Huawei Switch: Efficient and

This article explores Huawei's enterprise switch portfolio, outlines key performance advantages, and helps organizations select the best model based on their

Data Center Switches

Data Center Switches CloudEngine Data Center Switches — Ethernet switches widely used in diverse applications and in different network sizes, in both data centers and high-end campus networks —

Huawei Industrial Switch 2026: AI & 5G-Enabled Networks

Explore Huawei industrial switch trends for 2026—AI-powered, 5G-ready, and built for smart factories. Discover top models, market growth, and why the CloudEngine S5735I leads in

CloudEngine S5735I-H-V2 Series Industrial Switches

Huawei CloudEngine S5735I-H-V2 series industrial switches (DIN rail-mounted) are next-generation industrial switches that provide flexible all-gigabit access and

Huawei CloudEngine S5735I-S-V2 Series Industry Switches Datasheet

Introduction Huawei CloudEngine S5735I-S-V2 series industry switches (S5735I-S-V2 for short) are next-generation standard Layer 3 gigabit switches that provide flexible all-gigabit access and

NetEngine AR630 Series Industrial Routers

Huawei NetEngine AR630 series industrial routers are fixed-form-factor gateways designed for network communication in challenging industrial environments with

(Video) CloudEngine S5735I-S-V2 Series Industrial Switches Product ...

Huawei CloudEngine S5735I-S-V2 series extended-temperature switches (S5735I-S-V2 for short) are next-generation standard Layer 3 gigabit switches that provide flexible all-gigabit access and 10GE

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Huawei Industrial Switch: Rugged Backbone? Can Tough Hardware

The Huawei industrial switch isn't just for heavy industry—it's for any business where downtime means disaster. Think smart farms using soil sensors, ports automating cranes, ...

Network Switches | Huawei Enterprise

Huawei switches already help customers achieve success in industries such as finance, Internet, retail, education, manufacturing, and public services. And with

Enterprise Routers | Huawei Enterprise

Accelerating enterprise digital transformation with high-capacity, reliable, and energy-efficient routers that are easy to maintain. Learn more.

Huawei CloudEngine S5735I-S-V2 Series Industry Switches Datasheet

Industry switches have an industrial-grade operating temperature range as well as professional outdoor surge protection to withstand harsh outdoor environments. As such, they can be widely used in

Switches

Switches After more than 20 years of unrelenting efforts and stable development, Huawei provides extensive experience in Ethernet switches. With multiple

Huawei CloudEngine S5731I-L Series Industry Switches Brochure

CloudEngine S8700/6700/5700 series switches and S5735I-S/H switches are used as central switches in industrial parks, and S5731I-L switches are used as port extensions of central switches.

CloudEngine S5735I-S-V2 Series Switches | Huawei

Huawei CloudEngine S5735I-S-V2 series industrial switches (DIN rail-mounted) are next-generation industrial switches that provide flexible all-gigabit access and

Huawei Switches: Comprehensive Guide And Insights

Designed for rugged environments, Huawei industrial switches deliver robust performance under extreme conditions. They are suitable for manufacturing

Campus Switches | Huawei Enterprise

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and manufacturing networks. Learn more.

Industrial Ethernet Switches

Modernize your operations with Cisco Industrial Ethernet switches: Increase productivity, boost security, and empower industrial AI.

How Mission-Critical Are Huawei Industrial Grade Switches? Do They ...

Huawei industrial grade switches aren't components—they're continuity insurance for profit-critical operations. While competitors bolt plastic guts into metal boxes, ...

Contact Us

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