

Article Overview

Huawei CloudEngine S5735I-S-V2 and S5735I-H-V2 series are industrial-grade ring network switches designed for harsh environments, offering high reliability, flexible gigabit access, and advanced Layer 2/Layer 3 features.

Key Features

Industrial-Grade Durability: These switches are DIN rail-mounted and built to withstand extreme conditions, with an operating temperature range from -40°C to +75°C, IP40 protection, and professional outdoor surge protection, making them suitable for smart manufacturing, mining, transportation, safe city, and electric power applications . **Redundant Ring Network Support:** Huawei industrial switches support redundant ring network topologies, enabling self-healing networks that maintain connectivity even if a link fails. This ensures high reliability and minimal downtime in critical industrial environments . **Port Flexibility:** The switches provide all-gigabit access with GE/10GE uplinks. The S5735I-H-V2 series also supports TSN (Time-Sensitive Networking) for deterministic latency and high-precision time synchronization (IEEE 1588v2), which is essential for industrial automation and real-time applications . **Layer 2/Layer 3 Capabilities:** These switches support a broad set of protocols, including OSPF, IS-IS, BGP, VRRP, PIM SM/DM/SSM, and IGMP snooping. They also implement MAC address authentication, 802.1X authentication, and dynamic policy delivery (VLAN, QoS, ACL), enabling secure and efficient network management . **Applications:** Ideal for smart factories, intelligent transportation systems, mining operations, and safe city projects, these switches provide reliable connectivity for high-bandwidth applications such as video surveillance, industrial IoT, and edge AI deployments . **Management and Maintenance:** Huawei switches offer diverse management options for real-time monitoring, network analysis, and maintenance, enhancing operational efficiency and simplifying network administration .

Summary

Huawei's industrial-grade ring network switches combine robust hardware, flexible port configurations, advanced Layer 2/3 protocols, and redundant ring network support to deliver reliable, high-performance networking in harsh industrial environments. They are particularly suited for applications requiring high uptime, deterministic latency, and secure, scalable connectivity.

Huawei Industrial Ethernet Switch isn't hardware--it's insurance for uninterrupted chaos. From mining sites where a network hiccup



Huawei Industrial-Grade Ring Network Switch

CloudEngine S5735-S Series Switches Huawei CloudEngine S5735-S is a series of standard gigabit access switches that provide

CloudEngine 12800 Series Data Center Switches CloudEngine 12800 Series Data Center Switches CE12800 series provide reliable,

Description Huawei CloudEngine S5735I-H-V2 series industrial switches (DIN rail-mounted) are next

Even robust-looking metal boxes can fail if their internal protection isn't designed for industrial surges. The Huawei Industrial Ethernet

Overview of Huawei Switches Huawei switches are among the leading solutions for networking and connectivity, offering advanced

Huawei CloudEngine S5735I-S-V2 series industrial switches (DIN rail-mounted) are next-generation

Huawei Enterprise Network bietet eine umfassende Auswahl an Switching-, Routing-, WLAN- und Netzwerksicherheits-Geräten. Die

This strategic combination of 2.5G and 10G connectivity makes these switches an ideal bridge between wireless and wired networks,

Router-switch.com offers huawei CloudEngine, Campus and smb ethernet switches, provide high-availability, high-performance

CloudEngine 12800 Series Data Center Switches Huawei CloudEngine 12800 series switches are next-generation, high-performance

Why Huawei Switches Are Trusted by Enterprises? Huawei has earned its position as one of the world's most trusted networking

Our range includes unmanaged, PoE, Lite-Managed, and Layer 2/3 managed switches that help support secure communication,

Moxa provides a wide range of industrial Ethernet switches that feature industrial-grade reliability, network redundancy, strengthened

Thunder link offers various models of Huawei Ethernet switches and network switches, including the S5720, S6720, S6730, CE6800



Huawei Industrial-Grade Ring Network Switch

Picture this: a factory floor where welding sparks fly, temperatures swing from freezing to scorching, and conveyor belts vibrate

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