

S7703 and Huawei Single-Mode Gigabit Optical Module

Article Overview

The Huawei S7703 switch supports service cards that can host single-mode gigabit optical modules, enabling high-speed fiber connectivity for enterprise networks.

S7703 Overview

The Huawei S7703 is a high-end smart routing switch designed for next-generation enterprise networks, supporting Layer 2 to Layer 4 switching, voice, video, and data services . The chassis is 4 U high, with dimensions of 175 mm x 442 mm x 517.4 mm without cable management frames, and 175 mm x 442 mm x 585 mm with frames installed . It features 3 LPU slots, 2 MCU slots, 2 system power supply slots, and 1 PoE power supply slot, with key components operating in redundancy mode to ensure reliability .

Optical Module Compatibility

The S7703 supports service cards that can host optical modules, including single-mode gigabit SFP modules. These modules are typically installed in the LPU (Line Processing Unit) slots, which provide the necessary interface for fiber connectivity. Single-mode gigabit optical modules allow the switch to connect over long distances using single-mode fiber, ideal for campus or data center interconnections.

Key Considerations:

- o Port Type: Ensure the service card installed in the S7703 supports SFP ports compatible with single-mode gigabit modules.
- o Distance and Wavelength: Single-mode modules usually operate at 1310 nm or 1550 nm, supporting distances from 10 km up to 80 km depending on the module type.
- o Power Supply: The S7703 can use AC or DC power modules, and PoE modules if powering devices over Ethernet. Ensure the switch has adequate power for all installed modules .
- o Software Version: Module support may depend on the switch's software version. Later versions allow more flexible combinations of power modules and service cards .

Deployment Tips

- o Install the optical module into a compatible service card before inserting it into the LPU slot.
- o Use cable management frames to organize fiber connections and prevent bending or damage.
- o Verify firmware compatibility to ensure the switch recognizes the optical module and supports the desired speed and duplex settings.
- o For redundancy, consider dual MCUs in active/standby mode to maintain high availability .

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Summary

The Huawei S7703 is fully capable of integrating single-mode gigabit optical modules through its service cards, providing scalable, high-speed fiber connectivity for enterprise networks. Proper attention to slot type, module specifications, power, and software version ensures optimal performance and reliability .

The S7703 PoE and S7706 PoE chassis do not have independent PoE power slots. They can provide PoE power after a power

SFP ports enable Gigabit switches to connect to fibers and Ethernet cables in order to

Huawei S7703 ES0Z1B03ACS0 features highlights advantage * Online Price may be wrong or outdated and can NOT be used as

Brochure S7700 Series Smart Routing Switches Brochure The S7700 series switches are smart routing switches designed for next

If a fully configured chassis is delivered, remove cards and power modules before the installation. Install them after the chassis is

Home Huawei S7700 Series Smart Routing Switches Datasheet Huawei S7700 Series Smart Routing Switches Datasheet

Huawei S7703 chassis with 2200W POE power, 1.92Tbit/s switching capacity, and advanced Layer 2-4

The S7700 series is available in three models: S7703, S7706, and S7712. The switching capacity and port density of all three models

s designed for next- enterprise networks. The S7700 design is based on Huawei"s intelligent multi-layer switching technology to

S7703 Part #: 02353353 Module #: ES0Z1B03ACS0 Price: US\$ 0 Availability: In Stock * Online Price may be wrong or outdated and

Huawei S7703 switch and S7700 series datasheet, 10k+ original new inventory, 3-5days global delivery,1 year warranty, 8-year gold

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Product Overview The S7700 series switches (S7700 for short) are high-end smart routing switches designed for next-generation

The Huawei ES0D0G48SC00 Interface Card serves as a critical expansion component for enterprise-grade Huawei S7700 switch

Using innovative energy-saving chips, the S7700 provides an industry-leading solution for a sustainable. provide integrated wireless

ES0Z1B03ACS0 is the Huawei S7703 Basic Engine AC Bundle (Including Assembly Chassis,MCUA Main Board*2,800W AC

The S7703 cooling system consists of fan modules and air filters. A fan module is located behind the air exhaust vent (rear of the

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