

Cisco 7604 optical module model



Overview

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

Key Takeaways

The Cisco 7604 router supports multiple Optical Services Modules (OSMs), including OSM-4OC3-POS, OSM-2OC12-POS, and OSM-1OC48-POS-SS. Supported Optical Services Modules

The Cisco 7604 router, part of the 7600 Series, supports a range of OSMs designed for high-speed optical connectivity :

- OSM-4OC3-POS: A 4-port OC-3 Packet over SONET (POS) module providing full-duplex operation at 155 Mbps per port. Half-duplex operation is not supported .
- OSM-2OC12-POS: A 2-port OC-12 POS module with full-duplex operation at 622 Mbps per port. This module uses SC fiber connectors and supports both multimode (MMF) and single-mode fiber (SMF) connections .
- OSM-1OC48-POS-SS: A 1-port OC-48 POS module designed for high-speed 2.5 Gbps full-duplex operation. It is suitable for service provider and enterprise WAN applications requiring high bandwidth .

Key Features

- Compatibility: These OSMs are compatible with the Cisco 7604 chassis and other 7600 Series routers, as well as Catalyst 6500 series switches .



- **Installation:** Modules are installed in available slots, with slot 1 reserved for the supervisor engine. Slot 2 can host a redundant supervisor or an additional module if redundancy is not required .
 - **Fiber Types:** SC connectors support both multimode and single-mode fiber, allowing flexible deployment in different network environments .
 - **Full-Duplex Operation:** All OSMs operate in full-duplex mode, ensuring high-performance data transfer without collisions .
- Additional Considerations
- **Software Support:** Ensure the Cisco IOS version supports the installed OSMs. Release notes for Cisco IOS 12.1E and 12.2SX provide detailed compatibility information .
 - **Redundancy and High Availability:** The 7604 chassis supports dual supervisor engines and redundant power supplies, which can enhance reliability when using OSMs .
 - **Port Adapter Integration:** The Cisco 7604 also supports Shared Port Adapters (SPAs) and SPA Interface Processors (SIPs), which can complement OSM deployment for additional interface flexibility . These modules allow the Cisco 7604 to handle a wide range of optical networking requirements, from OC-3 to OC-48 speeds, making it suitable for enterprise WAN aggregation and service provider edge applications .

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Product Data Sheet0900aecd8027cc3e | PDF | Cisco Systems

FAN-MOD-4HS= High-speed fan module for Cisco 7604 Chassis KIT-MNTG-CG-4= Mounting kit and cable guide for Cisco 7604

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