The bridge to possible

Cisco 8608 Router

Cisco 8608 overview

Large, distributed chassis have traditionally been designed to total system bandwidth, port diversity, and redundancy. Requirements far exceeded what could be accomplished with a single NPU. Fabrics that weaved together multi-NPU systems had to be provisioned for the highest bandwidth use cases and deployed upfront, consuming power and capital regardless of the current traffic level. That wisdom held true for multiple generations of core, edge, and aggregation systems.

With the innovative Cisco Silicon One™ ASIC, we can address these roles with a new centralized architecture that leverages the strengths of both distributed and fixed systems. The Cisco® 8608 has combined the redundancy and I/O diversity of distributed systems with the economics and simplicity of fixed systems. As a result, the Cisco 8608 delivers redundancy, flexibility, and expandability while optimizing for power, space, cooling, and cost.

Benefits

- Leverage the strengths of fixed and distributed systems without compromise

- Increase interface diversity with native support for 10G/25G/50G/100G/400G

- Optimize CapEx with the ability to upgrade all major components of the chassis

- Reduce OpEx associated with power, space, and cooling by offering high bandwidth and redundancy in a small form factor

Join the centralized architecture revolution

Learn how the Cisco 8608 and its centralized architecture can help you deliver performance, redundancy, and interface diversity in a small form factor. For additional information, read the **Cisco 8608 Router data sheet**.

Bandwidth, redundancy, and interface diversity in a small form factor

The Cisco 8608 is a 7RU 12.8Tbps router. Based on the Silicon One 7nm Q200 ASIC, it delivers high performance and power efficiency.

Redundancy: New paradigm in offering both a redundant control plane (route processor redundancy) and a redundant data plane (switch card redundancy).

Investment Protection: Major components of the chassis can be upgraded with next generation components to protect investment in the common modules.

Flexibility: Modular port adapter flexibility and interface diversity with native port speeds from 10G to 400G.