



Core Switch 800G Three-Year Warranty

Article Overview

The Supermicro SSE-T8164 800G Ethernet Switch offers 64 OSFP 800G ports with a standard three-year warranty covering labor, parts, and cross-shipment.

Supermicro SSE-T8164 Overview

The SSE-T8164 is designed for high-performance data centers, AI clusters, and cloud networks. It provides 64 OSFP 800G ports in a 2RU form factor, supporting flexible breakout options such as 400G, 200G, and 100G via splitter cables and compatible transceivers. The switch supports advanced features like RoCEv2, Dynamic Load Balancing, lossless Ethernet, traffic engineering, and congestion avoidance, ensuring low latency and high throughput for demanding workloads (Supermicro) .

Performance and Architecture

- o Switching Capacity: High-performance silicon optimized for AI/ML and cloud environments.
- o Port Flexibility: Supports multiple speeds (800G, 400G, 200G, 100G) to accommodate diverse network topologies.
- o Additional Connectivity: Includes two 25G SFP28 ports for auxiliary connections.
- o Software: Enterprise Advanced SONiC OS with industry-standard CLI for flexible deployment and management.

Warranty and Support

The standard warranty for the SSE-T8164 is 3-1-1, which includes:

- o 3 years of labor
 - o 1 year of parts
 - o 1 year of cross-shipment coverage
- The warranty can be extended up to 5 years. Supermicro also offers customizable service level agreements, including remote help desk support and rapid onsite response options, with a 4-hour onsite response available for mission-critical deployments .

Other 800G Switch Options

While the SSE-T8164 explicitly mentions a three-year warranty, other high-performance 800G switches include:

- o Edgecore AIS800-32O: 32-port OSFP 800G switch with Broadcom Tomahawk5 silicon, SONiC support, and advanced timing features for AI/ML networks .



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- o Cisco N9364E-SG2: 64-port 800G switch with Cisco Silicon One technology, NX-OS software, and high-density aggregation for data center fabrics .
- o Arista 7050X Series: 800G routing and switching platforms for hyperscale cloud, AI, and leaf-spine architectures . These alternatives provide high bandwidth and low latency but may require verification of warranty terms if a three-year coverage is essential.

Recommendation

For a high-capacity 800G core switch with a guaranteed three-year warranty, the Supermicro SSE-T8164 is the most suitable choice, offering robust performance, flexible port configurations, and comprehensive support options for enterprise and AI-focused data centers.

SSE-T8164 comes with a standard (3-1-1) warranty which covers 3 years of labor, 1 year of parts and 1 year of cross-shipment

The warranty is only effective when products are still in the Edgecore Product list. After the EOL announcement for any Products, the

Cisco has a comprehensive portfolio of network switches and switching solutions for enterprise networks,

Manuals+ Home > Edge-core > Edge-corE AIS800-32D 800 Gigabit AI and Data Center Ethernet Switch User Guide

The Warranty Finder tool determines the Cisco warranty currently applicable to a product ID or product family. Follow the link and

Featuring 64 x 800 Gigabit Ethernet QSFP-DD800 ports, the switch delivers an aggregate bandwidth of 51.2Tbps, making it ideal for

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Edgecore AIS800 is an ultra-high-density 800G OSFP switch designed for advanced data center and AI network

Edgecore AIS800 is a high-performance 800G OSFP switch developed by Edgecore Networks and Celestica for

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