

ThinkSystem NE25720 RackSwitch

ONIE 25GbE / 100GbE aggregation leaf switch



Better Together

The Lenovo ThinkSystem NE25720 RackSwitch is part of the Lenovo Top of Rack (ToR) RackSwitch family.

Sales and Service is coordinated with Lenovo and the ONIE NOS provider working together to deliver upfront planning and long-term world-class product support to keep your data center running smoothly.

Disaggregated Data Center Networking

Use your preferred network operating system and Lenovo switches with features that include:

- A high-performance leaf aggregation for large-volume applications including Big Data, hyperconverged, and HPC solutions.
- Open Network Installation Environment (ONIE) specific models from Lenovo, delivering the additional flexibility of packaging for third-party operating systems that complement centralized data center cloud infrastructures and management.
- Option to purchase Cumulus Linux, a leading stand-alone third-party switch operating system, or supply your own Cumulus software. Lenovo offers the NE25720 and the Cumulus option today with other ONIE network operating system options planned.

Low TCO

The NE25720 is a low cost-of-ownership ONIE switch for high-end 25GbE data center applications. It offers:

- Pricing that aligns with the branded white (brite) box switch marketplace
- A 3-year hardware warranty
- Low power consumption to minimize operating expenses

About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$45 billion Fortune 500 company and a global technology leader in driving Intelligent Transformation. Lenovo's data center solutions (ThinkSystem, ThinkAgile) are creating the capacity and computing power that are changing business and society.

For More Information

To learn more about the ThinkSystem NE25720 RackSwitch, contact your Lenovo representative or Business Partner or visit: lenovo.com/networking. For detailed specifications, consult the NE25720 [product guide](#).

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Specifications

Interface Configurations	<p>48x 25GbE ports supporting various combinations of:</p> <ul style="list-style-type: none"> ● Up to 48x SFP28 25GbE SFP28 transceivers ● Up to 48x SFP+ 10GbE SFP+ transceivers ● Up to 48x SFP28 25GbE SFP28 DAC and AOC. (Various lengths: 1m, 3m, 5m, etc.) ● Up to 48x SFP+ 10GbE SFP+ DAC and AOC. (Various lengths: 1m, 3m, 5m, etc.) <p>6x 100GbE ports supporting various combination of:</p> <ul style="list-style-type: none"> ● Up to 6x QSFP28 100GbE QSFP28 transceivers ● Up to 6x QSFP 40GbE QSFP transceivers ● Up to 6x QSFP28 100Gb DAC cable or AOC cable. (Various lengths: 1m, 3m, 5m, etc.) ● Up to 24x SFP28 25GbE ports using special (QSFP28-to-4xSFP28) break-out DAC cable or optics with break-out fibers (Various lengths: 1m, 3m, 5m, etc.) ● Up to 12x QSFP28 50GbE ports using special (QSFP28-to-2xQSFP28) break-out DAC cable or optics with break-out fibers (Various Lengths 1m, 3m, 5m, etc.) ● Up to 24x SFP+ 10GbE ports using special (QSFP-to-4xSFP+) break-out DAC cable or optics with break-out fibers. (Various lengths: 1m, 3m, 5m, etc.)
Performance	Line-rate performance, up to 3.6Tbps aggregated throughput, as low as 480 ns (QSFP28) or 535 ns (SFP28) port-to-port switching latency, up to 2,678 Million packets per second (Mpps) (64-byte packets), up to 9,216-byte jumbo frames, buffer size: 22MB
Cooling	Front-to-rear or rear-to-front cooling, six variable-speed hot-swap fan assemblies that provide N+1 cooling redundancy
Power	Dual load-sharing hot-swap internal power modules, 213W typical / 289W maximum consumption
Limited Warranty	3-year customer replaceable unit, next business day with service and extensions available

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Availability: Offers, prices, specifications and availability may change without notice. Lenovo is not responsible for photographic or typographic errors. **Warranty:** For a copy of applicable warranties, write to: Lenovo Warranty Information, 1009 Think Place, Morrisville, NC, 27560. Lenovo makes no representation or warranty regarding third-party products or services. **Trademarks:** Lenovo, the Lenovo logo, RackSwitch, ThinkAgile, and ThinkSystem are trademarks or registered trademarks of Lenovo. Linux® is a trademark of Linus Torvalds in the United States, other countries, or both. Other company, product, or service names may be trademarks or service marks of others. Document number DS0063, published November 27, 2018. For the latest version, go to lenovopress.com/ds0063.