

# ThinkSystem NE10032O RackSwitch

## ONIE 100GbE aggregation spine switch



### Better Together

The Lenovo ThinkSystem NE10032O 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:

- High-performance spine aggregation for all architectures and leaf / spine 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 NE10032O and the Cumulus option today with other ONIE network operating system options planned.

### Low TCO

The NE10032O is an extremely cost-effective ONIE switch for high-end 100GbE data center applications. It offers the following reduced costs:

- 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 NE10032O RackSwitch, contact your Lenovo representative or Business Partner or visit: [lenovo.com/networking](http://lenovo.com/networking). For detailed specifications, consult the NE10032O [product guide](#).

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## Specifications

Interface Configurations	<p>32x 100GbE ports supporting various combinations:</p> <ul style="list-style-type: none"> <li>• Up to 32x QSFP28 100GbE QSFP28 transceivers</li> <li>• Up to 32x QSFP 40GbE QSFP transceivers</li> <li>• Up to 32x QSFP28 100GbE DAC cable or AOC cable (various lengths: 1m, 3m, 5m, etc.) Up to 128x SFP28 25GbE ports using special break-out DAC cable (QSFP28-to-4xQSFP28) or optics with break-out fibers (various lengths: 1m, 3m, 5m, etc.)</li> <li>• Up to 64x QSFP28 50GbE ports using special break-out DAC cable (QSFP28-to-2xQSFP28) or optics with break-out fibers (various lengths: 1m, 3m, 5m, etc.)</li> <li>• Up to 128x SFP+ 10GbE ports using special break-out DAC cable (QSFP-to-4xSFP+) or optics with break-out fibers (various lengths: 1m, 3m, 5m, etc.)</li> </ul>
Performance	Line-rate performance, up to 6.4Tbps switching throughput, as low as 490 ns port-to-port switching latency, up to 2,702 Million packets per second (Mpps), up to 9,216-byte jumbo frames, 16MB buffer size
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, 212W typical / 436W maximum consumption
Limited Warranty	3-year customer replaceable unit, next business day with service and extensions available

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