Lenovo ThinkSystem NE1064TO RackSwitch

ONIE 10GBase-T / 100GbE leaf switch

Better Together

The Lenovo ThinkSystem NE1064TO RackSwitch is part of the Lenovo Top of Rack (ToR) Ethernet switch family. It supports the latest cloud and SDN network requirements.

Sales and Service is coordinated with Lenovo and the Network OS provider working together to deliver upfront planning and long-term product support to help 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 leaf aggregation for large-volume applications including big data, hyperconverged, and HPC solutions.
- ONIE (Open Network Install Environment) specific models from Lenovo, delivering support for third-party operating systems that complement centralized data center cloud infrastructures and management.
- An option to purchase Cumulus Linux / NetQ, a leading third-party ONIE-enabled operating system.

Low TCO

The NE1064TO offers low total cost-of-ownership ONIE switch for high-end 10GBase-T data center applications. It offers:

- A 3-year hardware warranty with next business day turnaround
- Low power consumption and high reliability to minimize operating expenses
- Pricing that aligns with the branded white (brite) box data center switch marketplace

Why Lenovo

Lenovo is a global Fortune 500 company and a leader in providing innovative consumer, commercial, and enterprise technology. Lenovo enterprise systems deliver industry-leading performance, reliability, and security in virtualized and cloud environments for analytics, database, virtual desktop, infrastructure, and web workloads.

Lenovo also offers simplified and extensible systems management tools so you can manage your infrastructure on your own terms. Consistently ranked #1 in reliability[†], the Lenovo enterprise server, storage, and networking portfolio provides the hardware for businesses that never stand still.
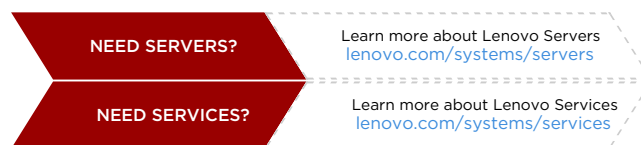
ThinkSystem

Specifications

Performance	Line rate performance, 1.08Tbps switching throughput, up to 714 Million packets per second (Mpps), up to 9,416-byte jumbo frames, 32MB buffer size
Interface configurations	48x 10GBase-T (RJ45) 6x 100GbE ports supporting various combinations of: ● Up to 6x 100GbE QSFP28 transceivers ● Up to 6x 40GbE QSFP+ transceivers ● Up to 6x 100Gb QSFP28 DAC or AOC ● Up to 6x 40Gb QSFP+ DAC or AOC ● Up to 16x 25GbE SFP28 ports using special (QSFP28 to 4x SFP28) break-out DAC or optics cable ● Up to 16x 10GbE SFP+ ports using special (QSFP28 to 4x SFP+) break-out DAC or optics cable
Management interfaces	● 1x RJ45 Ethernet Management port ● 1x Mini USB (Type AB) serial console port ● 1x USB2.0 for mass storage access
LED	Service required, stacking (Network OS dependent), link/speed, fan and power supply
Cooling	Rear-to-front cooling, with five variable-speed hot-swap fan modules that provide 4+1 redundancy
Power	Dual hot-swap internal power modules that provide 1+1 redundancy with 407W maximum consumption
Network OS	ONIE (Open Network Install Environment)
Limited warranty	Three-year customer-replaceable parts and limited onsite services with 9x5 next business day terms. Optional warranty service upgrades are available.

For More Information

To learn more about the Lenovo ThinkSystem NE1064TO RackSwitch, contact your Lenovo representative or Business Partner or visit: lenovo.com/networking. For detailed specifications, consult the NE1064TO product guide at lenovopress.com/lp1162.

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† ITIC Global Reliability Study, lenovopress.com/lp1117.