

# Lenovo ThinkSystem NE1032 RackSwitch

32-port 10GbE Top of Rack data center cloud switch



## Performance and Value

The Lenovo ThinkSystem NE1032 RackSwitch is a high-performance, cost-effective entry 10GbE switch. It uses the latest Ethernet switch technology, so it's lightning fast with low latency. It provides 32x SFP+ ports at speeds up to 10Gbps, enabling flexibility and scalability.

A direct replacement for the previous-generation RackSwitch 8124E, the NE1032 offers greater speed, lower latency, and better energy efficiency—all at a lower price.

## Designed for the Data Center

The NE1032 is optimized with features aimed at Lenovo enterprise data center architectures, including:

- Robust L2/L3 performance and competitive IP/Routing
- Highly scalable and resilient full BGP stack
- VM-aware automation in converged infrastructure
- Built-in protection against network looping
- Zero-Touch Provisioning to reduce time-to-production
- Lenovo XClarity integration to simplify data center management

- Lenovo Cloud-optimized NOS (CNOS)
- Open Network Installation Environment (ONIE) loads from central NOS image

## Open Cloud Architecture

Our open CNOS switches reduce data center OpEx via external interfaces that connect to the most-used data center management applications to automate virtual configuration changes. Supported applications include:

- VMware Log Insight collects logs and events from NE1032 to find the root-cause of issues and produces reports on symptoms across multiple devices and vendors.
- OpenStack provides interrelated components that control diverse pools of processing, storage, and networking resources throughout a data center.
- Nutanix Prism automates VLAN changes in Lenovo hyperconverged solutions.
- Ansible automation delivers simple IT automation that ends repetitive tasks and frees up DevOps teams for more strategic work.

**This** enables you to use the management software you prefer and avoid vendor lock-in.

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## Specifications

<b>Performance</b>	100% line rate performance, sub-600 nanoseconds latency, 1.44Tbps nonblocking switching throughput (full duplex), 1Bpps
<b>Interface Configurations</b>	32x 10Gb Ethernet SFP+ ports
<b>Virtualization</b>	VLAG, VM-aware
<b>Cooling</b>	Front-to-rear or rear-to-front cooling, redundant hot-swappable field-replaceable fans with variable speed to reduce power draw
<b>Power</b>	Dual load-sharing hot-swap internal power modules, 50 - 60Hz, 100 - 240V AC autoswitching per module
<b>Management Software Supported</b>	Lenovo XClarity, VMware, OpenStack
<b>Automation / API</b>	Ansible, Python, REST, Telemetry
<b>Associated Options</b>	For details on the NE1032, transceivers, cables, and other associated options, refer to the <a href="#">Lenovo ThinkSystem NE1032 RackSwitch Product Guide</a>
<b>Limited Warranty</b>	3-year customer replaceable unit and onsite limited warranty; 3-year software license term

## Why Lenovo

Lenovo is a \$46 billion 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 and customer satisfaction, the Lenovo enterprise server, storage, and networking portfolio provides the hardware for businesses that never stand still.

## For More Information

To learn more about the Lenovo ThinkSystem NE1032 RackSwitch, contact your Lenovo representative or Business Partner or visit: [www.lenovo.com/thinksystem](http://www.lenovo.com/thinksystem)

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