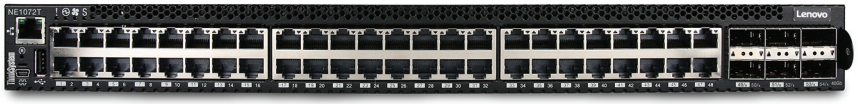
Lenovo ThinkSystem NE1072T RackSwitch

48-port 10GBase-T ToR data center cloud switch



Performance and Value

The Lenovo ThinkSystem NE1072T RackSwitch is a high-performance, cost-effective 10GBase-T switch. It uses the latest Ethernet switch technology, so it's lightning fast with low latency. It provides 48x 10GBase-T and 6x 40Gb QSFP+ uplink ports, enabling flexibility and scalability.

Designed for the Data Center

The NE1072T 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 infrastructures
- 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, with external interfaces connecting the most-used data center management applications to automate virtual configuration changes. Supported applications include:

- VMware Log Insight collects logs and events from NE1072T to root-cause issues with 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.

Specifications

Performance	100% line rate performance, sub-600 nanoseconds latency, 1.44Tbps nonblocking switching throughput (full duplex), 1Bpps
Interface Configurations	48x 10GBase-T + 6x 40Gb QSFP+ Ethernet ports
Virtualization	VLAG, VM-aware
Cooling	Front-to-rear or rear-to-front cooling, redundant hot -swappable field-replaceable fans with variable speed to reduce power draw
Power	Dual load-sharing hot-swap internal power modules, 50 - 60Hz, 100 - 240V AC autoswitching per module
Management Software Supported	Lenovo XClarity, VMware, OpenStack
Automation / API	Ansible, Python, REST, Telemetry
Limited Warranty	3-year customer replaceable unit and onsite limited warranty; 3-year software license term
Associated Options	For details on the NE1072T, transceivers, cables, and other associated options, refer to the Lenovo ThinkSystem NE1072T RackSwitch Product Guide

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 NE1072T RackSwitch, contact your Lenovo representative or Business Partner or visit:
www.lenovo.com/thinksystem

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LWD12354-USEN-00