Lenovo ThinkSystem NE2572 RackSwitch

Cloud-optimized 25Gb/100Gb Ethernet aggregation leaf switch

High-Speed Performance and Value

You can't afford to be saddled with an inflexible, underpowered Top of Rack (ToR) aggregation switch. That's why we created the Lenovo ThinkSystem NE2572 RackSwitch, designed for the modern data center. It uses the latest Ethernet switch technology, so it's lightning fast, offering up to 72 ports with speeds up to 100Gbps.

It provides 48x 10Gb SFP+/25Gb QSFP28 and 6x 40Gb QSFP+/100Gb QSFP28 uplink ports that can be used to aggregate 25Gbps switches and servers. Break-out cables on the QSFP28 ports offer maximum scale and flexibility.

Equipped with the Lenovo Cloud-optimized network operating system (CNOS), the NE2572 is tuned for Clos east-west networks. It's designed with the scale and performance you need for cloud implementations and a software-defined data center (SDDC) and includes Lenovo XClarity integration to simplify data center management.

High-availability features and advanced internal diagnostics provide the resilience required for the cloud.

Open Cloud Architecture

The 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 NE2572 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 can automate switch VLAN changes and other options 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 software you prefer and avoid vendor lock-in.

Specifications

Interface Configurations	• 48x 25Gb Ethernet ports supporting various combinations of: – 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.) • 6x 100Gb Ethernet ports supporting various combination of: – 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.) • 1x 10/100/1000 MbE RJ-45 port for out-of-band management • Standard mini-USB RS232 port or Standard RJ-45 RS232 port • USB 2.0 interface type A connection (processor on CPU-board is host)
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, Prism
Automation / API	Ansible, Python, REST, Telemetry
Associated Options	For details on the NE2572, transceivers, cables, and other associated options, refer to the Lenovo ThinkSystem NE2572 RackSwitch Product Guide
Limited Warranty	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 NE2572 RackSwitch, contact your Lenovo representative or Business Partner or visit:
www.lenovo.com/thinksystem

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