Lenovo RackSwitch G8124E

Ultra low-latency, high-performance 10 Gb top-of-rack switch

Performance, Availability

The Lenovo RackSwitch G8124E is a 10 Gigabit Ethernet (GbE) switch specifically designed for the data center, providing a virtualized, cooler and easier network solution. The G8124E offers twenty-four 10 GbE ports in a high-density, 1U footprint. The G8124E is designed with ultra-low latency and top performance in mind. Redundant power and fans, along with numerous high-availability features, mean that the G8124E is always available for business-sensitive traffic.

Virtual, Easy

The G8124E is virtualized—supports Virtual Fabric, which allows for the carving up of a physical NIC into 2 - 8 virtual NICs (vNICs) for improved performance, availability and security, while reducing cost and complexity.

The G8124E is cooler—implementing a choice of directional cooling to maximize data center layout and provisioning. Its superior airflow design complements the hot-aisle and cold-aisle data center cooling model.

The G8124E is easier—with server-oriented provisioning via point-and-click management interfaces. Its industry-standard CLI and easy interoperability simplifies configuration for those familiar with Cisco environments.

Ethernet Efficiency

Take advantage of the economy and performance of lossless Ethernet, which can eliminate packet drops for significantly improved performance, reliability and predictability. The G8124E can help your data center evolve to a higher level, helping you consolidate network and storage networks into a single fabric. You can achieve lower costs, simplify management and attain higher performance with better bandwidth utilization—and the flexibility you need to meet tomorrow's needs. Converged enhanced Ethernet can help deliver value for your iSCSI, NAS and FCoE enterprise storage environments.

Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.
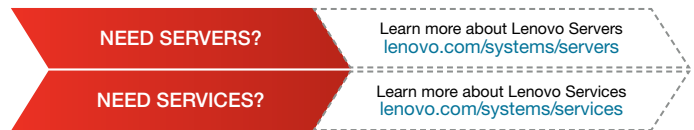
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Specifications

Performance	100% line-rate performance Ultralow latency of 570 nanoseconds 480 Gbps non-blocking switching throughput (full duplex)
Interface Options	Twenty-four 10 G SFP+ fiber connectors 2 × 10/100/1000 Ethernet RJ45 and 1 mini-USB port for management
Dimensions	17.3 inches wide, 15 inches deep, 1U high
Weight	6.40 kg (14.08 lb)
Cooling	Front-to-rear or rear-to-front cooling. Variable speed fans automatically adjust as needed, helping to reduce energy consumption.
Power	The AC-powered G8124E has dual load-sharing internal power modules, 50 - 60 Hz, 100 - 240 V AC auto-switching per module. The nominal power for AC models ranges from 115 W to 168 W depending upon the speed of the port (1 Gb/10 Gb), type of transceivers (SR or DAC) and number of active ports.
Warranty	3-year next business day advanced replacement with phone support and 3-year software upgrades. Service upgrades and extensions available
Associated Options	For further information on the G8124E technical details, associated options and software feature list, please refer to the Lenovo RackSwitch G8124E Product Guide

For More Information

To learn more about the Lenovo RackSwitch G8124E, contact your Lenovo Business Partner or visit:
lenovo.com/systems/networking

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