

Lenovo RackSwitch G8296

2U low-latency, cloud ready 10/40 GbE switch

Lenovo™



Performance. Value.

The feature-rich Lenovo RackSwitch G8296 includes 86 x SFP+ 10 Gigabit Ethernet (GbE) ports plus 10 x QSFP+ 40 GbE ports, providing sub-600ns latency in a flexible 2U switch. Clients can easily design large leaf and spine networks for a more modern east-west traffic pattern data center or provide server aggregation for multiple racks of 10 GbE servers. The G8296 also delivers exceptional power efficiency, reliability and serviceability with redundant power and fans standard. Plus with a superior 3-year warranty and software license term, it is an ideal enterprise data center choice.

Perfect For Cloud

The G8296 supports many value-added features for modern cloud deployments including unified fabric port (UFP) to help improve performance and availability when using virtual NICs.

UFP allows a SFP+ 10 GbE port to be divided into up to four virtual ports with the throughput speed of each port controlled by the switch. OpenFlow support helps clients easily create software defined virtual networks (SDN) and enables a remote controller to modify network devices.

Ethernet Efficiency

The G8296 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. 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.

Specifications

Performance	100% line rate performance Sub 600 nanoseconds latency 2.56 Tbps non-blocking switching throughput (full duplex) 1.44 Bpps
Hardware Features	
Interface Options	86 × 1/10 GbE SFP/SFP+ ports, 10 × 40 GbE QSFP+ ports; Up to 94 × 10 GbE SFP+ connections with optional breakout cables
Virtualization	VXLAN*, VMready®, Virtual Fabric (UFP) support
OpenFlow	Yes
Redundancy	Standard redundant hot-swap power supplies and fans
Dimensions	17.4 inches wide, 22.5 inches deep, 2U high
Weight	17.1 kg (20 lb)
Power	Dual load-sharing hot-swap internal power modules, 50 - 60 Hz, 100 - 240 V ac auto-switching per module typical power consumption of 210 W
Warranty	3-year customer replaceable unit and onsite limited warranty; 3-year software license term
Associated Options	For details on the G8296 transceivers, cables and other associated options, refer to the Lenovo RackSwitch G8296 Product Guide

*Future support planned through new software release

For More Information

To learn more about the Lenovo RackSwitch G8296, contact your Lenovo Business Partner or visit lenovo.com/systems/networking



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