

LENOVO RACKSWITCH G8272

Low latency 10/40 Gigabit Ethernet Cloud-ready switch



PERFORMANCE, VALUE

The feature-rich Lenovo® RackSwitch™ G8272 includes 48 x SFP+ 10 Gigabit Ethernet (GbE) ports plus 6 x QSFP+ 40GbE ports in a flexible 1U switch. The SFP+ ports support SFP 1GbE if needed.

Using only 123W of power, the G8272 uses less power than comparable switches.¹ Also, redundant power supplies and cooling fans come standard, adding to the reliability and efficiency.

With low sub-600ns latency and a superior 3-year warranty and software license term², the G8272 is an ideal performance choice at a low price.

PERFECT FOR CLOUD

The G8272 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+ 10GbE port to be carved into as many as 4 virtual ports with the throughput speed of each port controlled by the switch.

The G8272 supports OpenFlow which helps easily create software defined virtual networks (SDN) and enables a remote controller to modify the behavior of network devices. The G8272 supports VXLAN, in hardware, for network virtualization through overlays helping deliver faster reliable on demand capabilities.

ETHERNET EFFICIENCY

Take advantage of the economics and performance of lossless Ethernet, which can significantly improve performance, reliability and predictability. The G8272 can help your data center evolve to a higher level by helping you to consolidate server and storage networks into a single fabric. Converged enhanced Ethernet can help deliver value for your iSCSI, NAS and FCoE enterprise storage environments. You can achieve lower costs, simplify management, attain higher performance, improve bandwidth utilization, and gain the flexibility your business needs.

SPECIFICATIONS

PERFORMANCE	100% line rate performance Sub 600 nanoseconds latency 1.44 Tbps non-blocking switching throughput (full duplex) 1 Bpps
HARDWARE FEATURES	
INTERFACE OPTIONS	48 × 1/10GbE SFP/SFP+ ports, 6 × 40GbE QSFP+ ports Up to 72 × 10GbE SFP+ connections with optional breakout cables
VIRTUALIZATION	VXLAN, VMready®, Virtual Fabric (VFP) support
OPENFLOW	Yes
REDUNDANCY	Standard redundant hot-swap power supplies and fans
DIMENSIONS	17.32 inches wide, 19.19 inches deep, 1U high
WEIGHT	9.1 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 123W
WARRANTY	3-year customer replaceable unit and onsite limited warranty; 3-year software license term
Associated Options: For details on the G8272 transceivers, cables and other associated options, refer to the Lenovo RackSwitch G8272 Product Guide	

¹ Compared to Cisco Nexus 5672UP

² Compared to Cisco Nexus 5672UP, HP 5900AF, Juniper QFS5100, Brocade 6740

*Future support planned through new software release.

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.

FOR MORE INFORMATION

To learn more about the Lenovo RackSwitch G8272, contact your Lenovo representative or Business Partner or visit lenovo.com/servers

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