

Lenovo RackSwitch G7028

Enterprise-class Gigabit Ethernet data center switch



Performance & Value

The Lenovo RackSwitch G7028 is an inexpensive entry-level Layer 2 1/10 Gigabit Ethernet (GbE) switch that is designed for the enterprise edge in the data center, small or medium-sized business, and remote office environments where clients are looking for an economical 1 Gb and 10 Gb connectivity solution.

The G7028 with its twenty-four 10/100/1000BASE-T RJ45 ports and four 10 GbE SFP+ ports standard is a great entry switch in a 1U form factor. The G7028 delivers exceptional performance with its non-blocking, wire-speed switching cut-through architecture and is designed for those looking for cost-effective 1 GbE Layer 2 switching solutions with the ability to easily transition to 10 GbE.

Energy Efficient

With the growing focus on energy efficiency, the G7028 typically uses only 45 W of power. It is also designed with rear-to-front airflow (ports in the rear matching most server and storage ports),

which allows for flexible mounting of the switch in a rack cabinet and provides convenient cable management and significant savings in cooling costs with better hot and cold-aisle management.

Easy Flexibility

The G7028 can easily be managed via an industry-standard command-line interface (isCLI) or browser-based graphical user interface (GUI). In addition, clients have the peace of mind knowing the G7028 comes with a limited 3-year hardware warranty with Next Business Day (NBD), 9x5, Customer Replaceable Unit (CRU) warranty service. Optional warranty and maintenance upgrades are available.

The G7028 is designed for high availability. For those clients wanting more, an optional external Redundant Power Supply is available with support for up to four RackSwitch G7028 or G7052 switches.

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	128 Gbps switching throughput (full duplex) Latency of 3.3 microseconds 96 Mpps
Hardware Features	
Interface Options	24 × 1 GbE (24 RJ-45), 4 × 10 GbE SFP+
Dimensions	17.3 inches wide, 15 inches deep, 1 RU high
Weight	5.3 kg (11.68 lb)
Environmental Specifications	
Temperature	Ambient operating: 0° C to 40° C
Altitude	Operating 1,800 m (6,000 ft)
Acoustic Noise	Less than 65 dB
Heat Dissipation	155 BTU/hour
Mean Time Between Failures (MTBF)	128,407 hours with ambient operating temperature of 40° C
Airflow	Rear-to-front cooling
Power	Single power, 50 - 60 Hz, 100 - 240 V ac with typical power consumption of 45 W, optional external Lenovo RackSwitch G7000 Redundant Power Supply with support for up to four RackSwitch G7028 switches
Warranty	3-year, next business day replacement, phone support and software upgrades, service upgrades and extensions available
Associated Options, Software Features And Technical Details	For further information on the G7028's technical details, associated options and software feature list, refer to the Lenovo RackSwitch G7028 Product Guide

For More Information

To learn more about the Lenovo RackSwitch G7028, contact your Lenovo Business Partner or visit lenovo.com/systems/networking

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