



Dell Networking S25 and S50

Gigabit Ethernet switches for the network edge

Architected using a modular operating system (FTOS) for inherent stability, S25 and S50 Gigabit Ethernet (GbE) switches provide efficient performance in 10/100/1000Base-T or 1000Base-X with SFP media modules. The fixed configuration 1-RU switches are available in 24 or 48 ports with support for up to four 10GbE ports and scalable stacking technology to support up to eight S25/S50 GbE switches.

S Series high-performance GbE switches

Dell Networking S25 and S50 switches bring resiliency in a compact form factor to the network edge, enabling cost-effective scalability. These high-performance, low-latency GbE switches deliver the critical functionality advanced enterprise network edges demand.

Applications

Utilizing line-rate GbE edge switches with 10GbE uplinks, the S25 and S50 switches are ideal for multiple applications and deployment scenarios, including:

- Converged services and high bandwidth desktop applications
- Demanding data center, storage or compute facilities
- Cost-effective PoE-enabled 10/100/1000Base-T wiring closet aggregation of VoIP phones, wireless access points, video cameras or other IEEE802.3af-compliant devices
- Flexible aggregation and distribution supporting 10/100/1000Base-T copper and 100/1000Mbps fiber
- Small form factor intra-POP layer 2 interconnects
- 10GbE LAN PHY or DWDM XFP media modules for cost-effective metro or inter-POP transport

High-performance, low-latency, layer 2/3 Gigabit Ethernet switches for the network edge.

Key features

S25 and S50 GbE fixed configuration switches deliver the reliability and scalability for high-performance Ethernet environments. Key features include:

- S25N or S50N
 - 20- or 44-port 10/100/1000Base-T
 - Four-port 10/100/1000Base-T shared with SFP ports
- S25V or S50V
 - 20- or 44-port 10/100/1000Base-T
 - Four-port 10/100/1000Base-T shared with SFP ports
 - IEEE802.3af-compliant PoE that provides up to 15.4W per port and 790W per switch
- S25P
 - 24GbE or 100Base-FX SFP ports
 - Four copper 10/100/1000Base-T auto-sensing, auto-MDIX ports shared with last four SFP ports
- Optional modules
 - Two-port 10GbE LAN PHY (pluggable XFP modules)
 - Two-port 10GbE (CX4)
 - Two-port 12Gbps stacking
 - Single-port 24Gbps stacking
- Modular FTOS operating system with advanced monitoring and serviceability functions
- Suite of security, access control, and wiring closet edge features for enterprise networks
- PowerSmart™ suite of intelligent power management features providing automatic sensing, provisioning and management of PoE power (available on PoE capable models only)
- Support for jumbo frames up to 9,252 bytes; ideal for high-end server connectivity and network attached file servers
- Full complement of standards-based layer 2, IPv4 and IPv6 features for unicast and multicast applications
- Switching fabric capacity of up to 288Gbps and forwarding capacity of more than 144Mpps
- Stack up to eight S25N, S25P, S25V, S50N or S50V switches to deliver a scalable and flexible high capacity solution

