

Make the switch to assurance

Rest easy because the Dell PowerConnect 5324 can help make network downtime, proprietary technology, and system vulnerability a thing of the past



Dell PowerConnect 5324

As your managed network continues to grow, the need for interoperable, industry-standard network devices becomes increasingly important. The enterprise-class switches you choose must interoperate with your existing network equipment, which should maximize your currently deployed tools. Perhaps most important, your network administrator must have the ability to secure the network, manage virtual local area networks (VLANs), and prioritize traffic so that your network remains secure, available, and efficient.

The Dell™ PowerConnect™ 5324 is a 24-port Gigabit Ethernet switch, designed especially for those organizations that require high-performance connectivity to centralized resources such as servers or high-speed network backbones. It is especially well-suited for organizations that need a secure networking solution, full management capabilities, configuration file upload and download capabilities, and quality of service (QoS).

Heavy on performance

With total switching capacity, the PowerConnect 5324 enables full wire-speed switching across all ports, including Gigabit Ethernet ports and slots, to maximize the available bandwidth of your network. The maximum forwarding rate feature allows you to take full advantage of the speed of the devices connected to the switch, helping to boost performance. And built-in copper Gigabit Ethernet ports provide up to 10 times higher bandwidth than Fast Ethernet ports, helping to eliminate performance bottlenecks at critical traffic aggregation points.

Not sure who is in charge of traffic control? The PowerConnect 5324 QoS feature prioritizes network traffic based on user-defined criteria, including Layer 2 and Layer 3 information, helping to ensure time-critical network traffic is delivered according to your network administrator's prioritizations needs. The PowerConnect 5324 uses separate transmission priority queues to help ensure low-latency delivery of time-critical network traffic such as voice or video communications.

Serious about security

The PowerConnect 5324 uses edge authentication (802.1x) that provides advanced security to help prevent unauthorized users from accessing the network. It also enhances network security by encrypting network management traffic when users access the switch via the embedded Web server or command-line interface (CLI). Management traffic encryption—through either Secure Sockets Layer (SSL) or Secure Shell (SSH)—helps prevent malicious network “listeners” from deciphering the management traffic. To achieve greater control in limiting management access to the switch, management access profiles allow the user to restrict access via the management interface connection, the interface the user is connected to, and the IP address of the user.

Focused on availability

To increase bandwidth for critical network links and create redundancy, the PowerConnect 5324 can group up to eight ports together into a single, high-bandwidth trunk. Link Aggregation Control Protocol (LACP) provides automatic detection of link aggregation groups to

provide easier deployment and more resilient link aggregation groups.

Spanning Tree Protocol support automatically configures ports for speed, duplex mode, flow control, and cabling used. This helps to reduce network setup time and improve network availability by automatically activating standby links when the active link goes down. Rapid Spanning Tree Protocol improves the time to reconfigure the topology as compared to standard Spanning Tree Protocol.

You're here and the problem is over there—remote management enables remote configuration and monitoring of the switch via a Web browser or a Simple Network Management Protocol (SNMP)-based management console application. This allows a network administrator to detect and remedy problems at local and remote locations. The industry-standard CLI provides both an interface and a common platform for switch configurations.

In addition, the optional redundant power supply provides continuous power if the primary power supply fails, helping to increase system availability and reduce system downtime.

For more information:

In U.S.: www.dell.com/powerconnect

In Europe: www.euro.dell.com

In Asia: www.dell.com/ap