

DELL POWERCONNECT 2800 SERIES SWITCHES



Dell™ PowerConnect™ 2800 series are web-managed, Gigabit Ethernet switches designed by Dell to provide a powerful switch with outstanding cost and power savings.

EASY, POWERFUL MANAGEMENT

The PowerConnect 2800 series offers amazing value by delivering web-management capabilities that allow users to manage the switch through an intuitive web interface. The web-interface allows the user to easily manage the switch without the requirement to learn CLI commands or integrating the switch into an SNMP-based application, though a focused set of CLI and SNMP commands are available for environments requiring basic centralized remote management. While some vendors may refer to their web-managed switches as “smart switches”, we like to think of our switches as “power switches”... powerful performance coupled with powerful management capabilities. Each switch is delivered in standard, unmanaged mode. Convert the switch to web-managed mode with the push-of-a-button on the front panel, and then easily configure Quality of Service (QoS), port-based virtual LANs (VLANs) and remote switch monitoring. The firmware allows you to upgrade the switch software as needed. The PowerConnect 2800 family also features technology to help reduce power consumption per port by up to 96% on unused ports.

SECURE, WIRE-SPEED PERFORMANCE

The PowerConnect 2800 series is a switch family of secure, fixed-port Gigabit Ethernet switches delivering full wire-speed switching performance. These switches offer four port densities, including 8, 16, 24, and 48 port Gigabit Ethernet ports. In addition the 2824 and 2848 have SFP slots in a combo port arrangement that deliver fiber capabilities (SFP transceivers optional). Auto MDI/MDIX and auto-negotiation of speed, duplex mode and flow help deliver exceptional control over your network traffic. The PowerConnect 2800 family also supports jumbo frames for networks that need to move large files across the network.

EASY, SECURE MANAGEABILITY

Easy web access to the managed features provides a secure environment by offering password restricted access. These switches also offer enhanced security by allowing the user to specify which IP addresses have access to the switch. Up to 64 industry-standard VLANs are supported and four priority queues help optimize network traffic using IEEE 802.1p quality-of-service. Port mirroring allows users to monitor network traffic for intrusion detection and troubleshooting. To provide additional bandwidth when connecting to other switches, the 2800 series switches support up to six link aggregation groups consisting of up to four ports per group. Advanced cable diagnostics help improve network troubleshooting while the DHCP client feature allows the switch to have an IP address assigned to it dynamically by a DHCP server, or the integrated DHCP server feature can be enabled to help manage a small LAN. The PowerConnect 2800 series offers you more power so you can get more out of your network!



Dell PowerConnect 2800 Series Switches				
Features	Dell™ PowerConnect™ 2808	Dell™ PowerConnect™ 2816	Dell™ PowerConnect™ 2824	Dell™ PowerConnect™ 2848
Port Configuration	8 10/100/1000BASE-T ports Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX mode and flow control Integrated Port LEDs	16 10/100/1000BASE-T ports Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX mode and flow control Integrated Port LEDs	24 10/100/1000BASE-T ports Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX mode and flow control Integrated Port LEDs	48 10/100/1000BASE-T ports Auto-negotiation for speed, duplex mode and flow control Auto MDI/MDIX mode and flow control Integrated Port LEDs
Performance	Switching capacity 16.0 Gbps Forwarding Rate 11.9 Mpps	Switching capacity 32.0 Gbps Forwarding Rate 23.7 Mpps	Switching capacity 48.0 Gbps Forwarding Rate 35.6 Mpps	Switching capacity 96 Gbps Forwarding Rate 71.4 Mpps
Management	Web-based management interface BootP/DHCP IP address management or Static IP address assignment RMON statistics CLI and SNMP Command Subset. (See Users Guides for details)			
Class of service	Four priority queues per port Adjustable WRR and strict priority Layer 2 IEEE 802.1p tagging and port-based priority Layer 3 - aware prioritization using DSCP values			
Security	Switch access password protection (read-only and read-write access) Restricted IP address			
VLAN	IEEE 802.1Q port-based tagging up to 64 VLANs Honors all 4096 VLAN tags			
Switching Features	Link Aggregation, up to six groups and up to four aggregated links per group (IEEE 802.3ad) Port mirroring Jumbo frame support up to 9000 Bytes			
Other Features	Power Saving Features on Each Port Lead-Free Construction as per the RoHS Directive DHCP Server or Client			
Availability	Broadcast storm control Virtual cable tester by Marvell® Optical transceiver analysis			
Chassis	H xWx L (1.7 x 10.46 x 6.4 in.) 1U, rack-mounting kit included Unit weight: 5 Lbs.	H xWx L (1.7 x 10.46 x 6.4 in.) 1U, rack-mounting kit included Unit weight: 6.1 Lbs.	H xWx L (1.7 x 13.0 x 9.1 in.) 1U, rack-mounting kit included Unit weight: 6.7 Lbs.	H xWx L (1.7 x 17.3 x 10.0 in.) 1U, rack-mounting kit included Unit weight: 8.6 Lbs.
Optional Peripheral Products	Dell SFP Transceivers (1000-SX and 1000-LX for PowerConnect 2824 and 2848)			

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