

Dell PowerConnect 2700 Series Switches



Dell™ PowerConnect™ 2700 series are web-managed, Gigabit Ethernet switches designed by Dell to provide a powerful switch at an unmanaged switch price.

Easy, Powerful Management

The PowerConnect 2700 series offers amazing value by delivering web-management capabilities for the price of an unmanaged switch from other vendors. Dell's web-managed switches allow users to manage the switch through an intuitive web interface. The web-interface allows the user to easily manage the switch without learning CLI commands or integrating the switch into an SNMP-based application. While some vendors refer to their web-managed switches as "smart switches", we like to think of our switches as "powerful"...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. On top of all these capabilities, these new Gigabit Ethernet PowerConnect switches include features not typically found on other web-managed switches, such as integrated front panel LEDs and cable diagnostics.

Secure, Wire-Speed Performance

The PowerConnect 2700 series is a switch family of secure, fixed-port Gigabit Ethernet switches delivering full wire-speed switching performance. These switches offer three port densities, including 8, 16 and 24 Gigabit Ethernet ports. In addition the 2724 and 2748 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 improved control over your network traffic. The PowerConnect 2716, 2724 and 2748 also support jumbo frames for networks that need to move large files across the network.

Industry-Standard Manageability

Because these switches adhere to industry standards, you should expect that these switches will interoperate with other industry-standard networking equipment devices. Easy web access to the managed features provides a secure environment by offering password restricted access. These switches also allow the user to specify which IP addresses have access to the switch thereby furthering their security. 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 2700 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. The PowerConnect 2700 series offers you more power so you can get more out of your network!



Dell PowerConnect 2708, 2716, 2724

GET MORE PERFORMANCE AND VALUE. GET MORE OUT OF NOW.





Dell PowerConnect 2700 Series Switches

DELL INFRASTRUCTURE SERVICES

Execution without excuses:

Dell brings pure execution to IT Services. The planning, implementation and maintenance of your IT infrastructure deserves nothing less. Variability in execution can compromise user productivity, IT resources, and ultimately, your reputation. By leveraging our heritage of process driven excellence, Dell Services can deliver a smarter way.

Assessment Design & Implementation Services:

Dell provides strategies and solutions that optimize technologies, enhance productivity, reduce business risk, and maximize return on investment. Offer categories include:

- Migration and Consolidation
- Messaging and Collaboration
- High Availability and Performance
- Industry Specializations

Deployment Services:

Dell's Deployment Services are designed to simplify and speed up the deployment and utilization of new systems. Our comprehensive suite of services include: asset discovery, application packaging, image development, custom integration, custom delivery, and installation.

Enterprise Support Services:

Dell's Enterprise Support Services¹ provide customers with robust, flexible support for their server and storage systems. These state-of-the-art services ensure your IT systems consistently achieve their performance potential.

- **Platinum Plus Enterprise Support** — Dell's most comprehensive level of support²
- **Gold Enterprise Support** — Provides 7x24 rapid response and resolution of critical issues²
- **Silver Enterprise Support** — Silver support provides convenient 7x24 phone access
- **Basic Support** — Phone-based support during business hours
- **Dell | EMC Maintenance** — Designed to keep your storage systems current and healthy

Training Services:

Dell offers comprehensive training services which include hardware and software training, as well as PC skills and professional development classes. Develop skills to increase productivity, reduce downtime, and decrease support calls with comprehensive and flexible training services.

FEATURES	Dell™ PowerConnect™ 2708	Dell PowerConnect 2716	Dell PowerConnect 2724	Dell PowerConnect 2748
Port configuration	8 10/100/1000BASE-T ports	16 10/100/1000BASE-T ports	24 10/100/1000BASE-T ports	48 10/100/1000BASE-T ports
	Auto-negotiation for speed, duplex mode and flow control	Auto-negotiation for speed, duplex mode and flow control	Auto-negotiation for speed, duplex mode and flow control	Auto-negotiation for speed, duplex mode and flow control
	Auto MDI/MDIX mode and flow control	Auto MDI/MDIX mode and flow control	Auto MDI/MDIX mode and flow control	Auto MDI/MDIX mode and flow control
	Integrated Port LEDs	Integrated Port LEDs	Integrated Port LEDs	Integrated Port LEDs
Performance	Switching capacity 16.0 Gbps	Switching capacity 32.0 Gbps	Switching capacity 48.0 Gbps	Switching capacity 144 Gbps
	Forwarding rate 11.9 Mpps	Forwarding rate 23.7 Mpps	Forwarding rate 35.6 Mpps	Forwarding rate 71.4 Mpps
Management	Web-based management interface			
	BootP/DHCP IP address management or Static IP address assignment			
	RMON statistics			
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 (2716, 2724, and 2748)			
Availability	Broadcast storm control			
	Virtual cable tester by Marvell™			
	Optical transceiver analysis			
Chassis	H x W x L (1.7 x 10.4 x 6.4 in.)	H x W x L (1.7 x 13.0 x 9.1 in.)	H x W x L (1.7 x 13.0 x 9.1 in.)	H x W x L (1.7 x 17.3 x 10.0 in.)
	1U, rack-mounting kit included	1U, rack-mounting kit included	1U, rack-mounting kit included	1U, rack-mounting kit included
	Unit weight: 5 Lbs.	Unit weight: 6.1 Lbs.	Unit weight: 6.7 Lbs.	Unit weight: 8.6 Lbs.
Peripheral products	Dell SFP Transceivers (1000-SX and 1000-LX for PowerConnect 2724 and 2748)			

¹ Services may be provided by a third party.

² Technician will be dispatched if necessary in parallel with phone-based troubleshooting for severity level 1 issues on systems with Gold or Platinum 2-hour or 4-hour on-site response service. Technician will be dispatched if necessary following phone-based troubleshooting for all other severity levels and on-site response service hour repair time is measured from dispatch time of the on-site response service. Subject to parts availability, geographical restrictions and terms of service contract. Service timing dependent upon time of day call placed to Dell. U.S. only.

Dell cannot be responsible for errors in typography or photography. Dell, the Dell Logo and PowerConnect are trademarks of Dell Computer Corporation. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell disclaims proprietary interest in the marks and names of others. © Copyright 2007 Dell Inc. All rights reserved. Reproduction in any manner whatsoever without the express written permission of Dell Inc. is strictly forbidden. For more information contact Dell. April 2005, Kolar.

GET MORE PERFORMANCE AND VALUE. GET MORE OUT OF NOW.

Visit www.dell.com for more information.

