

Dell™ PowerConnect™ 2700 Series Switches

Dell™ PowerConnect™ 2700 series are web-managed, Gigabit Ethernet¹ 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 Ethernet¹ 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 Ethernet¹ switches delivering full wire-speed switching performance. These switches offer three port densities, including 8, 16, 24 and 48 Gigabit Ethernet¹ 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



Dell™ PowerConnect™ 2700 Series Switches

Enterprise Support Services Suite

Robust, flexible support for server and storage systems

In today's environment, businesses need smooth and continuous running of their advanced server and storage systems. Maximum uptime is crucial. As an IT professional, you can rely on us for your success. Dell's Enterprise Support Services can help you to:

- eliminate problems before they happen,
- prepare in advance for any elevated IT demands,
- provide the flexibility to match support to the different needs of various end users and applications environments and
- most importantly smartly balancing quality and costs for your organisation.

Choose the Level of Support That's Right for You

Dell offers "best-of-breed" Enterprise Support services at varying levels to help you strike just the right balance between maximum uptime and its associated cost. You can choose a plan that best fits your needs. And thanks to a new, unrivaled foundation we call the Dell ServiceSystem™, you will be backed by innovative best-practice resources.

Platinum Plus Enterprise Support: Dell's most comprehensive level of support. Customised account planning and reporting to proactively improve uptime.

Gold Enterprise Support: Provides rapid resolution of critical issues including escalation management and on-site² Emergency Dispatch procedures.

Silver Enterprise Support: Provides convenient 7x24 phone access for hardware and core software troubleshooting with 4-hour 7x24 on-site² services following completion of phone-based troubleshooting.

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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
			2 SFP slots (combo) for fiber support	4 SFP slots (combo) for fiber support
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 prioritisation 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	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 xWxL (1.7 x 10.4 x 6.4 in.) 1U, rack-mounting kit included Unit weight: 5 Lbs.	H xWxL (1.7 x 13.0 x 9.1 in.) 1U, rack-mounting kit included Unit weight: 6.1 Lbs.	H xWxL (1.7 x 13.0 x 9.1 in.) 1U, rack-mounting kit included Unit weight: 6.7 Lbs.	H xWxL (1.7 x 17.3 x 10.0 in.) 1U, rack-mounting kit included Unit weight: 8.6 Lbs.
Peripheral products	Dell SFP Transceivers (1000-SX and 1000-LX for PowerConnect 2724 and 2748)			

- 1 This term does not connote an actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.
- 2 Technician, replacement part or unit (depending on service contract) will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions (on site and/or next business day service not available in some locations) and terms of service contract. Service timing dependent upon time of day call placed to Dell. Defective unit must be returned or paid for. Replacements may be refurbished.

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