

## CERTIFICATE

Certificate Id: 2PAA114591\_Dell\_PowerConnect\_2824

Category:	Managed Switch
Product Name:	PowerConnect 2824
Software Version:	1.0.0.45
Hardware Version:	00.00.03
Boot Version:	1.0.0.13
Certification Test Report:	3BSE083938
Certification reference:	System 800xA Version 5.1, 6
Restrictions:	-

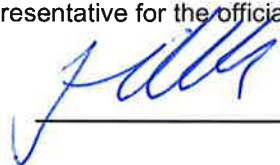
The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

The basis for the certificate is documented according to the Industrial IT Certification – Document Number 3BSE037356. The certificate is valid for the above mentioned Product versions until the next major release of the certified product or the certification reference system with a major release of the certified product or the reference system, a new certification is required to keep the certificate current.

ABB AB  
721 59 Vasteras, Sweden

Date: 2015-06-11

Representative for the official steering body for the Industrial IT Certification



Jenny Sjö Dahl

# Dell PowerConnect 2824

## Industrial<sup>IT</sup> Certification



### Dell PowerConnect 2824

Scalable from small workgroups to dense access solutions, the 2824 offers 24-port flexibility plus two combo small-form-factor pluggable (SFP) ports for connecting the switch to other networking equipment



Deploy with ease. Use the PowerConnect 2800 Series right out of the box as an unmanaged switch or convert to a flexible web-managed network at the push of a button.

- Default setting allows you to plug a PowerConnect 2800 Series Smart LAN Switch straight to a PC for instant unmanaged GbE connectivity.
- As a second option, use the switch to lightly manage network traffic, including VLANs, Quality of Service (QoS) and remote monitoring, from a simple web-based GUI, which is ideal for remote installations without IT staff.
- Advanced features, such as port mirroring for troubleshooting and intrusion detection in an easy-to-use and simple-to-manage interface can help make your network efficient and robust.

Certification results and product details are summarized below:

#### Product Overview

<b>Name</b>	Dell PowerConnect 2824
<b>Ethernet</b>	24 10/100/1000Base-T auto-sensing Gigabit Ethernet switching ports
<b>Optics</b>	2 SFP fiber combo ports provide support for 1000BASE-SX and 1000BASE-LX Gigabit transceivers
<b>Performance</b>	Switch fabric capacity: Up to 48 Gbps, Forwarding rate: Mpps 35.6, Up to 8,000 MAC Addresses
<b>Operating temperature</b>	0° C to 45° C (32° F to 113° F)
<b>Input Voltage</b>	100-240VAC, 50-60Hz voltage
<b>Installation</b>	1U, rack-mounting kit included

#### Product Details in tested sample

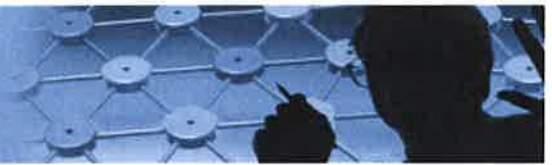
<b>Model included in test</b>	Dell PowerConnect 2824
<b>Serial number(s)</b>	CN00CT4H282985260307A01

#### Engineering

<b>Management</b>	Web-based management interface; BootP/DHCP IP address management or Static IP address assignment, RMON statistics, CLI and SNMP Command Subset.
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### Key Functions



- 8 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports
- Power reduction for short cables or inactive connections
- Auto-negotiation for speed, duplex mode and flow control
- Auto-MDI/MDIX
- Integrated LEDs for improved visual monitoring and analysis
- Local password and restricted IP addresses for secure access to the switch
- Port mirroring provides the capability of mirroring four source ports to improve network traffic monitoring and troubleshooting
- Internal DHCP Server
- DHCP client support allows for simplified IP address assignment when used with a DHCP server
- Switch software can be easily uploaded to the switch through the web-management interface
- Configurations can be easily uploaded to and from the switch through the intuitive web-management interface
- Port statistics available through industry-standard RMON
- Switch is factory-configured as an unmanaged switch, but can be easily configured as a web-managed switch with the push of a button
- Jumbo frame support for packets up to 9000 bytes

The Dell 2824 managed switch closely supports the 800xA Extended Automation System Value Propositions as noted below:

### 800xA Value Proposition Mapping

✓	<b>Reducing Time to Decision and Action</b>
	- Detailed performance information can be retrieved from the management interface
	- Easy to configure via the web interface
✓	<b>Engineering for Maximum Performance</b>
	- Number of options available for different configuration needs
✓	<b>Integrating Information for Improved Visibility</b>
	- Diagnostic information available via web interface
	- Status information or alarm indication via SNMP
✓	<b>Investment Enhancement through Evolution</b>
	- Continuation in product development