DELL EMC POWERPROTECT DP SERIES APPLIANCES

SIMPLE, EFFICIENT AND AGILE DATA PROTECTION AT A LOW COST-TO-PROTECT. GUARANTEED.

The DP series, the next generation of the Integrated Data Protection Appliance, simplifies deployment and management, while delivering powerful, enterprise-class data protection capabilities for mid-size and enterprise organizations at a low cost-to-protect than competing solutions.

It is an integrated solution that offers complete backup, replication, recovery, deduplication, instant access and restore, search & analytics, seamless VMware integration—plus, cloud readiness with disaster recovery and long-term retention to the cloud—all in a single appliance.

The DP series delivers a low cost-to-protect, is guaranteed under the Future-Proof Program and is part of the Dell Technologies APEX program.

Specifications

Table 1. DP series Performance and Capacity

Features	DP4400	DP5900	DP8400	DP8900
MAXIMUM THROUGHPUT[1]	Up to 9 TB/hr	Up to 33 TB/hr	Up to 57 TB/hr	Up to 94 TB/hr
MAXIMUM LOGICAL CAPACITY[1,2]	4.8 PB	18.7 PB	49.9 PB	65 PB
W/ CLOUD TIER	14.4 PB[2]	56.1 PB	149.7 PB	195 PB
MAXIMUM USABLE CAPACITY	8 to 96 TB[3]	96 to 288 TB	192 to 768 TB	576 to 1 PB
W/ CLOUD TIER	Up to 288 TB[2]	Up to 864 TB	Up to 2.3 PB	Up to 3 PB
PROCESSOR	Intel Xeon	Intel Xeon	Intel Xeon	Intel Xeon
DRIVE TYPE	SAS 12 TB	SAS 4 TB	SAS 8 TB	SAS 8 TB
BUILT- IN NETWORKING	8x RJ45 or 8x SFP Optical links (only two req'd) [3]	4x40GbE Customer uplinks; Each Quad SFP port can be split to 4x10GbE uplinks; Only two required		

Specifications

Table 1 (cont.). DP series Performance and Capacity				
Features	DP4400	DP5900	DP8400	DP8900
WEIGHT (LBS)	72.8 lbs.[5]	450 lbs.	734 lbs.	846 lbs.
DIMENSIONS	17.09 x 28.17 x 3.42 (inches WDH) 434 x 715.5 x 86.8 (mm WDH)	40U rack Height: 75 in (190.8 cm); Width: 24.0 in (61.1 cm); Depth: 39.0 in (99.2 cm)		
POWER (100-120 / 200-240 V ≈ 50/60HZ)	475 VA (MAX @ 35°C)	Up to 2,830 VA (200-240 V only)	Up to 5,480 VA (200-240 V only)	Up to 7,250 VA (200-240 V only)
THERMAL RATING (BTU/HR)	1,620	9,300	17,800	23,400
OPERATING TEMPERATURE / ALTITUDE	10°C to 35°C, 35°C at 7,500 ft.	10°C to 35°C, 35°C at 7,500 ft.	10°C to 35°C, 35°C at 7,500 ft.	10°C to 35°C, 35°C at 7,500 ft.
NON-OPERATING (TRANSPORTATION) TEMPERATURE	-40°C to +65°C (-40°F to +149°F)	-40°C to +65°C (-40°F to +149°F)	-40°C to +65°C (-40°F to +149°F)	-40°C to +65°C (-40°F to +149°F)
OPERATING HUMIDITY	10% to 80% relative humidity with 29°C (84.2°F), maximum dew point	20% to 80% non-condensing	20% to 80% non-condensing	20% to 80% non-condensing

DP series Rack

Power configuration

DP4400: Two single-phase inlet connections. All power connections redundant.

All other systems: Single phase is standard, optional 3-phase. For rack 1, four power inlet connections for single phase. Two power inlet connections for 3-phase. For rack 2, if required, two power inlet connections. All power connections redundant.

Plug types

Single phase: NEMA L6-30p or IEC 60309 332P6

3-phase: Consult your local Dell representative

Power requirements

Refer to table above

AC protection

30A site circuit breaker on each power domain

Dimensions

40U available rack capacity

Height: 75 in (190.8 cm); Width: 24.0 in (61.1 cm); Depth: 39.0 in (99.2 cm)

Weight: 380 lbs. (173 kg) when empty

DS60 EXPANSION SHELF

External interface (host/expansion)

Quad 8 lane 12 Gb/s serial attached SCSI II (SAS) ports per Link Control Card (LCC). Half of each port is blocked allowing the use of standard mini-SAS-HD connectors. One port is used for the host connection and the other is used for expansion. The host controller runs at 12 Gb/s to the DS60.

SAS cable length

Up to 5 meters

Disk drives

60-drive bays per DS60 expansion shelf, support low profile, one inch high, 3.5-inch form factor drives

SAS (12 Gb/s), 4 TB, 7200 RPM

Dimensions

Height: 8.75 in (22.23 cm) 5U (4U plus 1U cable management tray)

Width including rails: 17.50 in (44.45 cm)

Depth (chassis only): 34.5 in (87.63 cm)

Maximum depth (fully configured): 36.4 in (92.46 cm)

Weight: 225.0 lbs. (90.7 kg) (with 60 HDD installed)

Operational (included in information above)

Power: 980 VA or 931W (200-240V ~, 47 to 63 Hz)

Thermal Rating: 3177 BTU/hr.

Operating:

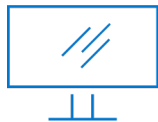Ambient temperature: 41° F to 104° F (5° C to 40° C)

Temperature gradient: 18° F/hr. (10° C/hr.)

Relative humidity extremes: 20% to 80% noncondensing

Elevation: -50 to 7500 ft. (-16 to 2300 m)

Non-Operating (Transportation):

Ambient temperature: -40° F to 149° F (-40° C to 65° F)

Temperature gradient: 45° F/hr. (25° C/hr.)

Relative humidity: 10% to 90% noncondensing

Elevation: -50 to 35,000 ft. (-16 to 10,600 m)

ES40 EXPANSION SHELF

External interface (host/expansion)

Dual 4 lane 12 Gb/s serial attached SCSI II (SAS) ports per Link Control Card (LCC)—one for host and one for expansion

SAS cable length

Up to 5 meter

Disk drives

15-drive bays per ES30 expansion shelf, support low profile, one inch high, 3.5-inch form factor drives

SAS (12 Gb/s), 3TB, 7200 RPM

Dimensions

Height: 5.25 in (13.34 cm)

Width: 19.0 in (48.3 cm)

Depth: 14.0 in (35.56 cm)

Weight: 68 lbs (30.8 kg)

Operational (included in information above)

Power (VA): 280VA or 235W, (100-240V ~, 47 to 63 Hz)

Thermal Rating: 800 BTU/hr

Operating Temperature:

Ambient temperature: 41º F to 104º F (5º C to 40º C)

Temperature gradient: 18º F/hr (10º C/hr)

Relative humidity extremes: 20% to 80% noncondensing

Elevation: -50 to 7500 ft (-16 to 2300 m)

Non-Operating (Transportation) Temperature:

Ambient temperature: -40º F to 149º F (-40º C to 65º F)

Learn More about DP series appliances

Contact a Dell Technologies Expert

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