DELL EMC INTEGRATED DATA PROTECTION APPLIANCE (IDPA)

SIMPLY POWERFUL DATA PROTECTION AT A LOW COST-TO-PROTECT.[3] GUARANTEED.

The IDPA 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.[3]

It is a converged 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 IDPA delivers a low cost-to-protect[3] and is guaranteed under the Future-Proof Program.

Specifications

Table 1. IDPA Performance and Capacity

Features	DP4400	DP5800	DP8300	DP8800
MAXIMUM THROUGHPUT[1]	Up to 9 TB/hr	Up to 32 TB/hr	Up to 41 TB/hr	Up to 68 TB/hr
MAXIMUM LOGICAL CAPACITY[1,2]	4.8 PB	14.4 PB	36 PB	50 PB
W/ CLOUD TIER	14.4 PB[2]	43.2 PB	108 PB	150 PB
MAXIMUM USABLE CAPACITY	8 to 96 TB[4]	96 to 288 TB	192 to 720 TB	624 to 1 PB
W/ CLOUD TIER	Up to 288 TB[2]	Up to 864 TB	Up to 2.16 PB	Up to 3 PB
PROCESSOR	Intel Xeon	Intel Xeon	Intel Xeon	Intel Xeon
DRIVE TYPE	SAS 4TB or SAS 12 TB	SAS 4 TB	SAS 4 TB	SAS 4 TB
BUILT- IN NETWORKING	8x RJ45 or 8x SFP Optical links (only two req'd) [4]	4x40GbE Customer uplinks; Each Quad SFP port can be split to 4x10GbE uplinks; Only two required		

Specifications

Features	DP4400	DP5800	DP8300	DP8800
Table 1 (cont.). IDPA Performance and Capacity				
WEIGHT (LBS)	72.8 lbs.[6]	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)	1,989 VA	3,117 VA	3,865 VA
THERMAL RATING (BTU/HR)	1620	5,935	9,479	14,243
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

IDPA Rack

Power configuration

Single phase is standard, optional 3-phase. Four power inlet connections. Two power domains (base and extended), each redundant

Plug types

NEMA L6-30p or IEC 60309 332P6

Power capacity

DP5800/8300/8800: 200-240 V~, single-phase, 47-63 Hz, 4,800 VA (base configuration) 9,600 VA (extended configuration)

DP4400: 100-240 V~ auto-ranging, single-phase, 47-63 Hz, 475 VA

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 6Gb/s to the DS60.

Connector type

SFF-8088 connectors (mini-SAS)

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 (6 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

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)

ES30 EXPANSION SHELF

External interface (host/expansion)

Dual 4 lane 6 Gb/s serial attached SCSI II (SAS) ports per Link Control Card (LCC)—one for host and one for expansion

Connector type

SFF-8088 connectors (mini-SAS)

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 (6 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

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 Dell EMC IDPA solutions

Contact a Dell Technologies Expert

DELLTechnologies