

# DELL EMC INTEGRATED DATA PROTECTION APPLIANCE

Dell EMC Integrated Data Protection Appliance (IDPA) provides comprehensive and converged data protection. The pre-integrated appliance is simple to deploy and scale, and supports a diverse application ecosystem, including support for modern applications like MongoDB, Hadoop, and MySQL.



Integrated Data Protection Appliance

Enjoy faster time to protection with an integrated solution that brings together protection storage, protection software, search, and analytics in a single appliance. Extend data protection seamlessly to private and public clouds with native cloud tiering. Gain business agility with a solution that is fast and modern—your data is protected more efficiently and can be recovered quicker. You'll get the high value you've come to expect from Dell EMC, the number one data protection provider, with industry leading deduplication and overhead free scaling.

## Specifications

**Table 1. IDPA PERFORMANCE AND CAPACITY**

	<b>DP5300</b>	<b>DP5800</b>	<b>DP8300</b>	<b>DP8800</b>
<b>MAXIMUM THROUGHPUT</b>	24 TB/hr.	32 TB/hr.	41 TB/hr.	68 TB/hr.
<b>MAX LOGICAL CAPACITY<sup>1</sup></b>	350 TB to 6.5 PB	1.4 to 14.4 PB	1.9 to 36 PB	6.2 to 50 PB
<b>W/ CLOUD TIERING</b>	Not Available	4.2 to 43.2 PB	5.7 to 108 PB	18.6 to 150 PB
<b>MAX USABLE CAPACITY</b>	34 to 130 TB	144 to 288 TB	192 to 720 TB	624 to 1 PB
<b>W/ CLOUD TIERING</b>	Not Available	Up to 864 TB	Up to 2.16 PB	Up to 3 PB
<b>PROCESSOR</b>	Intel Xeon	Intel Xeon	Intel Xeon	Intel Xeon
<b>DRIVE TYPE</b>	SAS 4 TB	SAS 4 TB	SAS 4 TB	SAS 4 TB
<b>BUILT-IN NETWORKING</b>	6x40GbE Customer uplinks. Each Quad SFP port can be split to 4x10GbE uplinks			

<sup>1</sup> Mix of typical enterprise backup data (file systems, databases, email, developer files). The low end of capacity range represents a full backup weekly or monthly, incremental backup daily or weekly, to system capacity. The top end of the range represents full backup daily, to system capacity. All capacity values are calculated using Base10 (i.e., 1 TB = 1,000,000,000,000 bytes).



**Table 2. IDPA PHYSICAL SPECIFICATIONS AND ENVIRONMENTALS<sup>2</sup>**

	<b>DP5300</b>	<b>DP5800</b>	<b>DP8300</b>	<b>DP8800</b>
<b>WEIGHT (LBS)</b>	462 lbs.	450 lbs.	734 lbs.	846 lbs.
<b>DIMENSIONS</b>	40U rack Height: 75 in (190.8 cm); Width: 24.0 in (61.1 cm); Depth: 39.0 in (99.2 cm)			
<b>POWER</b>				
<b>100-120/200-240V~</b>	1,968 VA	1,989 VA	3,117 VA	3,865 VA
<b>50/60 HZ</b>				
<b>THERMAL RATING (BTU/HR)</b>	5,833	5,935	9,479	14,243
<b>OPERATING TEMPERATURE/ ALTITUDE<sup>3</sup></b>	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.
<b>NON-OPERATING (TRANSPORTATION) TEMPERATURE</b>	-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)
<b>OPERATING HUMIDITY</b>	20% to 80% non-condensing	20% to 80% non-condensing	20% to 80% non-condensing	20% to 80% non-condensing

**Table 3. IDPA REGULATORY APPROVALS**

	<b>DP5300</b>	<b>DP5800</b>	<b>DP8300</b>	<b>DP8800</b>
<b>SAFETY</b>	UL 60950-1, CSA 60950-1, EN 60950-1, IEC 60950-1, GS, SABS, GOST, IRAM			
<b>EMISSIONS</b>	FCC Class A, EN 55022, CISPR 22, VCCI, BSMI, MIC, ICES-003			
<b>IMMUNITY</b>	EN 55024, CISPR 24			
<b>POWERLINE HARMONICS</b>	EN 61000-3-2			

## SOFTWARE

### SOFTWARE FEATURES

IDPA features integrated backup application, dynamic analytics with predictive forecasting, and elastic search. All software features are preconfigured for the complete solution.

<sup>2</sup> Does not include the environmental requirements for capacity shelves. For a specific IDPA capacity configuration, the appropriate capacity for the installed DS60 Expansion shelves must be added to the configuration (see below).

<sup>3</sup> Derate 1.1°C/1,000 ft. above 7,500 ft. to 10,000 ft.

## SYSTEM MANAGEMENT

IDPA provides streamlined management with intuitive search and advanced analytics that aggregate on premise and cloud data protection environments through a simple interface. Customizable dashboards provide visibility and the ability to drill-down to system-level details. Empower application and line of business users with self-service protection management capabilities.

## 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

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

### AC PROTECTION

30 A 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

Drives Choices: SAS (6 Gb/s), 3 TB or 4 TB, and 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 (VA): 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)

## **CONTACT US**

To learn more, contact your local representative or authorized reseller.



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