



DELL POWERPROTECT DATA MANAGER APPLIANCE

Designed for scalability, flexibility, and performance, the PowerProtect Data Manager Appliance unifies protection and management in a single, streamlined experience. Centralized control of Data Manager and PowerProtect Data Domain ensures consistent operations through an easy-to-manage interface. The Data Manager Appliance utilizes Data Domain for storage infrastructure.

Categories	DM5510	DD6410 - Storage
Logical Capacity ¹	Up to 19.2 PB	
Logical Capacity with Cloud Tier	Up to 57.6 PB	
Usable Capacity	12 TB- 256 TB 10.9TiB – 232.8 TiB	
Usable Capacity with Cloud Tier	Up to 768 TB Up to 698.5 TiB	
ES120 Shelf	External SAS shelves (max 4 ES120); 8TB 7.2k SAS	
Form Factor	1U rack-mounted	2U EIA rack-mounted
OS / Cache SSD	BOSS-N1: 2 × M.2 NVMe SSD	2 × 3.84 TB OS SSD; 1 × 3.84 TB cache SSD (expandable)
Networking	OCP 3.0 NIC slot Supports 10/25GbE NICs	2 × 1GbE LOM; Options: 4-port 10/25GbE SFP28, 4-port 10G BASE-T, FC HBAs
Power Supply	1100W Titanium PSU	100–240V AC, redundant hot-swappable; ~800 VA
Thermal Rating	Air-cooled Smart Flow chassis for high-density CPUs	~760 W; 2592 BTU/hr
Operating Temp	ASHRAE A2/A3/A4 classes (up to 45°C depending on class)	10°C to 35°C (50°F to 95°F)
Operational Networking with I/O Cards	N/A	Up to two quad port 10G Base-T or two quad port 25G SFP+ One quad port 10G Base-T or dual port 10/25G SFP+
Weight (LBs)	Up to 49.6 lbs	Up to 96.5 lbs
Dimensions	19" x 30.9" x 1.68"	17.6" x 32.9" x 3.4"

Power 100-120/200-240v~ 50/60Hz	386 VA	800VA
Operating Temperature/Altitude (No Direct Sunlight)	10C to 35C	10C to 35C
Non-Operating (Transportation) Temperature	-40C to +65C	-40C to +65C
Operating Humidity	8% RH with -12°C minimum dew point to 80% RH with 21°C (69.8°F) maximum dew point	8% at -12d min. dew point to 80% at 21°C (69.8°F) max dew point
Operation Acoustic Noise (Sound Power)	5.3 bels	7.8 bels
Operation Acoustic Noise (Sound Pressure)	41.3 db	67 db

Statement of Compliance

Dell Information Technology Equipment is compliant with all currently applicable regulatory requirements for Electromagnetic Compatibility, Product Safety, and Environmental Regulations where placed on market.

Detailed regulatory information and verification of compliance is available at the [Dell Regulatory Compliance website](#).

¹ Based on 75x deduplication rate

ES120 Expansion shelf

External interface (host/expansion)

Two ports with four lanes per port (8 lanes) of 24Gb/s serial attached SCSI generation (SAS-4) per Link Control Card (LCC). Allows the use of standard SAS-4 compatible Mini-SAS-HD cables.

Connector type

Supports SAS-4 Mini SAS HD SFF-8674 connector

SAS cable length

Up to 5 meters

Disk drives

12-drive bays, supports, 3.5-inch form factor 8 TB 7.2K SAS drives

Dimensions

Height: 3.4 in (8.68 cm)

Width: 17.5 in (44.45 cm)

Depth: 21.5 in (54.5 cm)

Weight: 56.39 lbs (25.58 kg)

Operational⁴

Power (VA): Up to 195VA or 193W, (100-240V ~, 47 to 63 Hz)

Thermal Rating: Up to 659 BTU/hr

Environmental

Ambient temperature: 41° F to 95° F (5° C to 35° C)

Temperature gradient: 36° F/hr (20°C/hr)

Relative humidity extremes: 8% to 85% noncondensing

Elevation: Up to 10000 ft (-16 to 3050 m)

Non-Operating (Transportation):

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

Temperature gradient: 36° F/hr (20°C/hr)

Relative humidity: 5% to 95% with 27° C (80.6° F) max dewpoint

Elevation: Up to 39,370 ft (12,000 m)

Rack

Power configuration

Single phase is standard, optional 3-phase.

Two power domains (base and extended), each redundant.

Plug types

L6-30P, 56PA322, 332P6W, 3750DP, L7-30, 60309, CS-8365C, 9P54U2T, 3P-Wye, or 3P-Wye Flying Leads

PDU Power capacity

single-phase, 24A, 200-240 V~, 50/60 Hz

three-phase 3W+G, 40A, 200-240 V~, 50/60 Hz (3P-Delta)

three-phase 3W+N+PE, 24A, 200-240 V~, 50/60 Hz (3P-Wye)

Dimensions

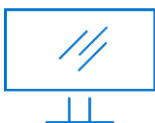
40U available rack capacity

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



Learn more about the [PowerProtect Data Manager Appliance](#)



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