DELL POWERPROTECT DATA MANAGER APPLIANCE

The PowerProtect Data Manager Appliance is the latest generation of Dell PowerProtect integrated appliances replacing existing PowerProtect DP4400 and DP5900 appliances. The Data Manager Appliance includes PowerProtect Data Manager to deliver next generation multicloud data protection. The Data Manager Appliance offers complete backup, deduplication, replication, recovery, instant access and restore, search and analytics, and seamless VMware integration – plus, cloud readiness with disaster recovery, long-term retention to the cloud as well as support for multicloud workloads.

The Data Manager Appliance delivers it all without added complexity. The Data Manager Appliance offers an integrated data protection platform that combines protection storage with PowerProtect Data Manager software and cloud readiness – all in a single appliance. The Data Manager Appliance provides a unified user experience and automates discovery and protection of databases, VMs, file systems and Kubernetes containers. Experience enhanced scalability and simplicity with the PowerProtect Data Manager Appliance's latest capacity increase, now offering up to 256 TB, with up to three expansion shelves.

	DM5500	1x ES120 expansion enclosure	2x ES120 expansion enclosure	3x ES120 expansion enclosure
Max Throughput	Up to 14 TB/hr	Up to 14 TB/hr	Up to 14 TB/hr	Up to 14 TB/hr
Logical Capacity[1]	Up to 5.2 PB	Up to 7.9 PB	Up to 10.6 PB	Up to 14.1 PB
Logical Capacity with Cloud Tier	Up to 15.8 PB	Up to 23.7 PB	Up to 31.7 PB	Up to 42.2 PB
Usable Capacity[4]	Up to 96 TB	Up to 144 TB	Up to 192 TB	Up to 256 TB
Usable Capacity with Cloud Tier[4]	Up to 288 TB	Up to 432 TB	Up to 576 TB	Up to 768 TB
ES120 Shelf	N/A	12 8TB HDD	12 8TB HDD	12 8TB HDD
Built-In Networking	Up to 10x 10GbBase-T (RJ45) or Up to 6x SFP28 (25Gb)/SFP+ (10Gb) (optical)	2x 12Gb SAS (EMM-A) 2x 12Gb SAS(EMM-B)	2x 12Gb SAS (EMM-A) 2x 12Gb SAS(EMM-B)	2x 12Gb SAS (EMM-A) 2x 12Gb SAS (EMM-B)

1Top-end values are maximums – actual capacity & throughput depends on application workload, deduplication, and other settings.

2 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).

Software

PowerProtect Data Manager software, Global Compression™, Data Invulnerability Architecture, including inline verification and integrated dual disk parity RAID 6, snapshots, telnet, FTP, SSH, email alerts, scheduled capacity reclamation, Ethernet failover and aggregation, Link Aggregation Control Protocol (LACP), VLAN tagging, IP aliasing, DD Boost, DD Encryption, DD Extended Retention, DD Retention Lock, DD Virtual Tape Library (VTL) (for open systems and IBMi operating environments). Available add-ons include: DD Boost, Cloud Tier for long-term retention, Cloud Disaster Recovery, and DD Replicator.
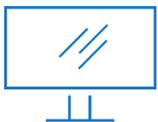
Specifications (cont.)

	DM5500	1x ES120 expansion enclosure	2x ES120 expansion enclosure	3x ES120 expansion enclosure
Weight (Lbs)	95.24 lbs (43.2 kg)	12 - 8TB HDDs: 56.39 lbs (25.58 kg)	12 - 8TB HDDs: 56.39 lbs (25.58 kg)	12 - 8TB HDDs: 56.39 lbs (25.58 kg)
Dimensions	17.63 x 31.9 x 3.41 (inches WDH) 448 x 810.3 x 86.8 (mm WDH)	2U W: 17.5 in. (444 mm) D: 21.5 in. (545 mm) H:3.4 in. (86.8 mm)	2U W: 17.5 in. (444 mm) D: 21.5 in. (545 mm) H:3.4 in. (86.8 mm)	2U W: 17.5 in. (444 mm) D: 21.5 in. (545 mm) H:3.4 in. (86.8 mm)
Power (Dual-Redundant	1100w	800w	800w	800w
Thermal Rating (Watts)	16HDDs: 425 Watts	12 HDDs: 180 Watts	12 HDDs: 180 Watts	12 HDDs: 180 Watts
Thermal Rating (BTU/Hr)	4100 BTU / HR	2730 BTU / HR	2730 BTU / HR	2730 BTU / HR
Operating Temperature/ Altitude	10°C to 30°C (50°F to 86°F) no direct sunlight at altitudes less than 3117 ft or 950 meters	5°C to 40°C (41°F to 104°F) At 900 meters	5°C to 40°C (41°F to 104°F) At 900 meters	5°C to 40°C (41°F to 104°F) At 900 meters
Non-Operating (Transportation) Temperature	0°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% with 29°C (84.2°F) maximum dew point.	8% to 85% non-condensing.	8% to 85% non-condensing	8% to 85% non-condensing
Operation Acoustic Noise (Sound Power)	LWAd: 7.8 bels	≤ 8.0 Bels LWAd (@ 23 ± 2°C	≤ 8.0 Bels LWAd (@ 2: ± 2°C	≤ 8.0 Bels LWAd (@ 2: ± 2°C
Operation Acoustic Noise (Sound Pressure)	LpAm: 67 db	52 db	58 db	70 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. http://dell.com/regulatory_compliance

Learn more about
Data Manager Appliance

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