



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

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

<sup>2</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).

## 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.

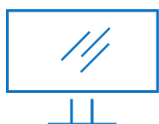
## Specifications (cont.)

|                                                   | DM5500                                                                                                     | 1x ES120<br>expansion<br>enclosure                                         | 2x ES120<br>expansion<br>enclosure                                         | 3x ES120<br>expansion<br>enclosure                                         |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>Weight (Lbs)</b>                               | 95.24 lbs<br>(43.2 kg)                                                                                     | 12 - 8TB HDDs:<br>56.39 lbs (25.58 kg)                                     | 12 - 8TB HDDs:<br>56.39 lbs (25.58 kg)                                     | 12 - 8TB HDDs:<br>56.39 lbs (25.58 kg)                                     |
| <b>Dimensions</b>                                 | 17.63 x 31.9 x 3.41<br>(inches WDH)<br>448 x 810.3 x 86.8<br>(mm WDH)                                      | 2U<br>W: 17.5 in. (444 mm)<br>D: 21.5 in. (545 mm)<br>H: 3.4 in. (86.8 mm) | 2U<br>W: 17.5 in. (444 mm)<br>D: 21.5 in. (545 mm)<br>H: 3.4 in. (86.8 mm) | 2U<br>W: 17.5 in. (444 mm)<br>D: 21.5 in. (545 mm)<br>H: 3.4 in. (86.8 mm) |
| <b>Power (Dual-Redundant)</b>                     | 1100w                                                                                                      | 800w                                                                       | 800w                                                                       | 800w                                                                       |
| <b>Thermal Rating (Watts)</b>                     | 16HDDs: 425 Watts                                                                                          | 12 HDDs: 180 Watts                                                         | 12 HDDs: 180 Watts                                                         | 12 HDDs: 180 Watts                                                         |
| <b>Thermal Rating (BTU/Hr)</b>                    | 4100 BTU / HR                                                                                              | 2730 BTU / HR                                                              | 2730 BTU / HR                                                              | 2730 BTU / HR                                                              |
| <b>Operating Temperature/Altitude</b>             | 10°C to 30°C<br>(50°F to 86°F)<br>no direct sunlight at<br>altitudes less than<br>3117 ft or 950<br>meters | 5°C to 40°C (41°F<br>to 104°F)<br>At 900 meters                            | 5°C to 40°C (41°F to<br>104°F)<br>At 900 meters                            | 5°C to 40°C (41°F to<br>104°F)<br>At 900 meters                            |
| <b>Non-Operating (Transportation) Temperature</b> | 0°C to +65°C<br>(-40°F to +149°F)                                                                          | -40°C to +65°C<br>(-40°F to +149°F)                                        | -40°C to +65°C<br>(-40°F to +149°F)                                        | -40°C to +65°C<br>(-40°F to +149°F)                                        |
| <b>Operating Humidity</b>                         | 10% to 80%<br>with 29°C (84.2°F)<br>maximum dew<br>point.                                                  | 8% to 85% non-<br>condensing.                                              | 8% to 85% non-<br>condensing                                               | 8% to 85% non-<br>condensing                                               |
| <b>Operation Acoustic Noise (Sound Power)</b>     | LWAd: 7.8 bels                                                                                             | ≤ 8.0 Bels LWAd (@<br>23 ± 2°C                                             | ≤ 8.0 Bels LWAd (@<br>23 ± 2°C                                             | ≤ 8.0 Bels LWAd (@<br>23 ± 2°C                                             |
| <b>Operation Acoustic Noise (Sound Pressure)</b>  | 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](http://dell.com/regulatory_compliance)



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