DELL EMC
POWERPROTECT X400
DATA SHEET

Dell EMC’s Cloud-enabled Scale-out Data Management appliance

PowerProtect X400 offers next generation data management, enabling faster IT transformation while ensuring that you can simply protect and quickly unlock your data’s value. PowerProtect X400 scales out with linear performance and capacity increases while also delivering grow-in-place capacity expansion. Available in both All Flash and Hybrid options, PowerProtect X400 provides whatever level of performance your application or business demands. Long term retention to Amazon Web Services (AWS) S3 using Cloud Tier is included with the X400 capacity licenses. With simplicity, agility, and flexibility at its core, PowerProtect X400 enables you to protect, manage, and recover data at scale. Transform IT faster knowing your data is protected and available as a business asset.

Software defined

Address IT operational complexity and propagation of new technologies by leveraging a software-defined, scale-out platform. PowerProtect X400 delivers next generation data management, enabling organizations to transform IT faster; with confidence their data is protected and available to drive value as an asset for their business.

PowerProtect X400 delivers efficient data management capabilities to your ever-changing IT environment, leveraging Dell EMC’s trusted and industry leading protection storage.

Self-service

PowerProtect X400 empowers data owners to perform backup and recovery operations from their native applications, while at the same time providing IT with oversight and governance to ensure compliance.
SaaS-based management

Take advantage of SaaS-based management to easily monitor, analyze, and troubleshoot your distributed environment from anywhere. PowerProtect Data Manager enables IT to meet objectives more effectively with evolving operational intelligence.

Modern services-based architecture

As your IT environment continues to evolve, PowerProtect Data Manager adapts to meet future IT demands across the physical to virtual workload spectrum. The PowerProtect X400 appliance benefits from this design, enabling rapid deployment and simple upgrades, with an intuitive HTML-5 UI.

Scale-out On-demand

PowerProtect X400 is an integrated appliance that can scale-out compute and capacity, with grow-in-place capacity expansion. Available in both All Flash and Hybrid configurations, PowerProtect X400 appliances provides you the level of performance you need. Benefit from the linear scale-out performance, compute, network, and capacity. Support for long term retention to Amazon Web Services (AWS) S3 using Cloud Tier, for up to 448 TB in All Flash or 384 TB in Hybrid.

Enabled with machine learning, PowerProtect X400 appliances deliver load balancing to provide optimal deduplication and performance. As customers add additional scale-out cubes (either all flash or hybrid), the PowerProtect X400 will rebalance assets and data as required. Data will be redirected and migrated to the appropriate scale-out cubes seamlessly.

The base configuration for a PowerProtect X400 appliance comes with an X400 platform cube plus one or more X400H Hybrid scale-out cube(s) or X400F All Flash scale-out cube(s) for capacity. Up to twelve scale-out cubes can be added of either All Flash or Hybrid. Each X400H Hybrid scale-out cube starts at 64TB (96TB max per cube), with additional cubes adding 64-96TB (1.15PB appliance maximum). Each X400F All Flash scale-out cube starts at 64TB (112TB max per cube), with additional cubes adding 64-112TB (448TB appliance maximum).
## Specifications

**PowerProtect X400 Performance & Capacity with X400F (All Flash) and X400H (Hybrid)**

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<thead>
<tr>
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<th>X400F</th>
<th>X400H</th>
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<tbody>
<tr>
<td><strong>CAPACITY CUBES</strong></td>
<td>1 to 4</td>
<td>1 to 12</td>
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<tr>
<td><strong>MAX THROUGHPUT</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Up to 27 TB / hr per cube</td>
<td>Up to 9.8 TB / hr per cube</td>
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<tr>
<td><strong>LOGICAL CAPACITY</strong>&lt;sup&gt;2&lt;/sup&gt;</td>
<td>640 TB – 22.4 PB</td>
<td>640 TB – 57.6 PB</td>
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<tr>
<td><strong>USABLE CAPACITY RANGE</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td>64 TB – 448 TB</td>
<td>64 TB – 1.15 PB</td>
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<tr>
<td><strong>PROCESSOR</strong></td>
<td>Intel Xeon</td>
<td>Intel Xeon</td>
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<td><strong>BUILT-IN NETWORKING</strong></td>
<td>16 x 10GbE + Up to 16 x 10GbE or 25GbE</td>
<td>16 x 10GbE + Up to 48 x 10GbE or 25GbE</td>
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1. The Max Throughput is determined based on the minimum configuration with one platform cube and one capacity cube.
2. Based on 10x - 50x deduplication ratio.
3. The base configuration for a PowerProtect X400 appliance comes with an X400 platform cube and either an X400H Hybrid scale-out cube or X400F All Flash scale-out cube for capacity. Up to twelve scale-out cubes of the same type can be added in Hybrid and up to four scale out cubes in All-Flash can be added. An X400H Hybrid scale-out cube ships with a minimum of 64 TB licensed, and can grow-in-place with two additional 16 TB capacity packs (64 – 96 TB). An X400F All Flash scale-out cube ships with a minimum of 64TB licensed, and can grow-in-place with three additional 16 TB capacity packs (64 – 112 TB).