





DELL EMC POWERPROTECT X400 SPEC SHEET

Dell EMC's Multi-dimensional Data Management appliance

PowerProtect X400 offers next generation data management, enabling faster IT transformation while assuring that you can easily guard and quickly unlock your data's value. X400 is a multi-dimensional, scaling out with linear performance and capacity increases while also delivering scale-up, grow-in-place capacity expansion. Available in both Hybrid and All Flash options, X400 provides whatever level of performance your application or business demands. With simplicity, agility and flexibility at its core, X400 enables you to protect, manage and recover data at scale. Transform IT faster knowing data is protected and available as a business asset.





Specifications

1. PowerProtect X400 Capacity with X400F All Flash scale-out cubes

	 1 - X400 1 - X400F	 1 - X400 2 - X400F	 1 - X400 3 - X400F	 1 - X400 4 - X400F
LOGICAL CAPACITY	640 TB – 5.6 PB	1.76 – 11.2 PB	2.88 – 16.8 PB	4.00 – 22.4 PB
MAX USABLE CAPACITY	64 – 112 TB	176 – 224 TB	288 – 336 TB	400 – 448 TB
PROCESSOR	Intel Xeon	Intel Xeon	Intel Xeon	Intel Xeon
BUILT-IN NETWORKING	16 x 10GbE + 4 x 10GbE or 25GbE	16 x 10GbE + 8 x 10GbE or 25GbE	16 x 10GbE + 12 x 10GbE or 25GbE	16 x 10GbE + 16 x 10GbE or 25GbE

1. Based on Dell internal testing, April 2019. Actual results will vary. Top-end values are maximums – actual capacity & throughput depends on application workload, deduplication, and other settings. Logical capacity based on 10x to 50x deduplication.

2. PowerProtect X400 Capacity with X400H Hybrid scale-out cubes

				
	1 - X400 1 - X400H	1 - X400 2 - X400H	1 - X400 3 - X400H	1 - X400 4 - X400H
LOGICAL CAPACITY	640 TB – 4.8 PB	1.6 – 9.6 PB	2.56 – 14.4 PB	3.52 – 19.2 PB
MAX USABLE CAPACITY	64 – 96 TB	160 – 192 TB	256 – 288 TB	352 – 384 TB
PROCESSOR	Intel Xeon	Intel Xeon	Intel Xeon	Intel Xeon
BUILT-IN NETWORKING	16 x 10GbE + 4 x 10GbE or 25GbE	16 x 10GbE + 8 x 10GbE or 25GbE	16 x 10GbE + 12 x 10GbE or 25GbE	16 x 10GbE + 16 x 10GbE or 25GbE

3. PowerProtect X400, X400F & X400H physical specifications and environmental

	X400 (Platform cube)	X400F (All Flash scale-out cube)	X400H (Hybrid scale-out cube)
WEIGHT (LBS)	96.16 lbs (max.)	72.91 lbs (max.)	72.91 lbs (max.)
DIMENSIONS	17.63" x 3.46" x 31.1" (2U)	17.09" x 3.42" x 28.17" (2U)	17.09" x 3.42" x 28.17" (2U)
POWER	2 x 1600W AC Power Supplies 963 Watts	2 x 1100W AC Power Supplies 667 Watts	2 x 1100W AC Power Supplies 667 Watts
THERMAL RATING (BTU/HR)	3286	2276	2276
OPERATING TEMPERATURE/ ALTITUDE³	10°C to 35°C (50°F to 95°F)	10°C to 35°C (50°F to 95°F)	10°C to 35°C (50°F to 95°F)

2. 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 four scale-out cubes of the same type, either Hybrid or All-Flash, can be added; either Hybrid or All Flash. An X400H Hybrid scale-out cube ships with 64 TB, and can scale-up with two additional 16 TB capacity packs (64 – 96 TB). An X400F All Flash scale-out cube ships with 64 TB, and can scale-up with three additional 16 TB capacity packs (64 – 112 TB).

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

NON-OPERATING (TRANSPORTATION) TEMPERATURE	-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) max dew point	10% to 80% with 29°C (84.2°F) max dew point	10% to 80% with 29°C (84.2°F) max dew point
OPERATION ACOUSTIC NOISE (SOUND POWER)	LWAd: 9.0 bels (35°C) / 7.2 (25°C) LpAm: 75 db (35°C) / 58 (25°C)	LWAd: 8.4 bels (35°C) / 5.2 (25°C) LpAm: 74 db (35°C) / 36 (25°C)	LWAd: 8.4 bels (35°C) / 5.2 (25°C) LpAm: 74 db (35°C) / 36 (25°C)

4. PowerProtect X400 regulatory approvals

	X400
SAFETY	UL 60950-1, CSA 60950-1, EN 60950-1, IEC 60950-1, GS, SABS, EAC
EMISSIONS	FCC Class A, EN 55032, CISPR 32, VCCI, BSMI, KCC, ICES-003
IMMUNITY	EN 55024, CISPR 24
POWER LINE HARMONICS	EN 61000-3-2



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