



XTREMIO X2 SPECIFICATIONS

XtremIO X2 is released with V6.0 XIOS Software



System Specifications	1 Brick Cluster	2 Bricks Cluster	3 Bricks Cluster	4 Bricks Cluster
Active-Active Controllers	2	4	6	8
SSD enclosures	1	2	3	4
Number of SSDs	18-72	36-144	54-216	72-288
Cable mgmt. ducts ¹	1	1	2	2
Infiniband Switches	0	2	2	2
Power Socket Number/Type (internal to rack)	6 x IEC C14	16 x IEC C14	22 x IEC C14	28 x IEC C14
Weight ² (including rack)	293Kg/646lb	400Kg/882lb	490Kg/1080lb	580Kg/1278lb
Weight ² (excluding rack)	95Kg/209lb	202Kg/445lb	292Kg/644lb	382Kg/842lb
Rack Space (incl. CMD)	5U	11U	16U	20U

¹ CMD - Cable Management Duct. optional.

² These are X2-R values. For X2-S multi-brick weight subtract 8.5Kg (single bricks weigh the same)

Performance (100% random IOs, no caching, on preconditioned & prefilled arrays)	1 Brick Cluster	2 Bricks Cluster	3 Bricks Cluster	4 Bricks Cluster
IOPS 70% read, 30% write (8K blocks)	220,000	440,000	660,000	880,000
Average Latency (ms)	0.5	0.5	0.5	0.5
Max. Bandwidth (GB/s)	6	12	18	24

Host Connectivity (Default/iSCSI only config ³)	1 Brick Cluster	2 Bricks Cluster	3 Bricks Cluster	4 Bricks Cluster
Fibre Channel Ports (16Gbps)	4	8	12	16
iSCSI Ethernet Ports (10Gbps)	4-8	8-16	12-24	16-32

Management	1 Brick Cluster	2 Bricks Cluster	3 Bricks Cluster	4 Bricks Cluster
Ethernet Ports (10Gbps)	2	2	2	2
Management IP Addresses Required	2+1 (XMS)	2+1 (XMS)	2+1 (XMS)	2+1 (XMS)

XMS Management Server A single XMS (physical server or VM) manages multiple XtremIO arrays, requires IP address

³ Cluster can be configured to have only iSCSI connections and no FC connections

X2-R				
	1 Brick Cluster	2 Bricks Cluster	3 Bricks Cluster	4 Bricks Cluster
Raw Capacity	TB: 34.6 → 138.2	TB: 69.1 → 276.5	TB: 103.7 → 414.7	TB: 138.2 → 553.0
	TiB: 31.4 → 125.7	TiB: 62.9 → 251.5	TiB: 94.3 → 377.2	TiB: 125.7 → 502.9
Usable Capacity ⁴	TB: 27 → 123	TB: 55 → 246	TB: 83 → 369	TB: 111 → 493
	TiB: 25 → 112	TiB: 50 → 224	TiB: 76 → 336	TiB: 101 → 448
Effective Capacity ⁵ [TB]	718	1437	2155	2873
Power Consumption (steady state) [VA]	1400-1980	3010-4100	4410-6060	5810-8040
Cooling Requirements [BTU/Hr]	4970-6,300	10,680-13,000	15,650-19,300	20,620-25,560

X2-S				
	1 Brick Cluster	2 Bricks Cluster	3 Bricks Cluster	4 Bricks Cluster
Raw Capacity	TB 7.2 → 28.8	TB 14.4 → 57.6	TB 21.6 → 86.4	TB 28.8 → 115.2
	TiB 6.55 → 26.2	TiB 13.1 → 52.4	TiB 19.7 → 78.6	TiB 26.2 → 104.8
Usable Capacity ⁴	TB 5.4 → 24	TB 11 → 48	TB 16 → 72	TB 21 → 97
	TiB 4.9 → 22	TiB 10 → 44	TiB 14.5 → 66	TiB 20 → 88
Effective Capacity ⁵ [TB]	132	264	395	527
Power Consumption (steady state) [VA]	1300-1850	2800-3900	4100-5750	5400-7600
Cooling Requirements [BTU/Hr]	4610-6,200	9,940-12,900	14,550-19,000	19,170-25,300

In-Memory Space-Efficient Copies - Thousands of space-efficient, writeable copies are supported per cluster, allowing the effective utilization of the array to reach multiple Petabytes.

⁴ Usable capacity is the amount of unique, non-compressible data that can be written into the array.

⁵ Effective capacity includes the benefits of thin provisioning, inline global deduplication, inline compression, and space-efficient copies. Datasheet numbers are a representative example at 6:1 and will vary based on each customer's specific application environment and use of the XtremIO array.

X2 Brick Array Controller	
AC Input Voltage ⁶	90-264V, 47-63Hz single phase
Rack Space	1U
Dimensions (height x width x depth)	43.2mm x 438mm x 756mm (1.7" x 17.25" x 29.75")
Weight	16kg (35 lbs.)
Power Consumption (typical, @25C) [X2-S/X2-R]	450VA / 500VA
Power Socket Number/Type	2 x IEC C14
X2 Brick Disk Array Enclosure (DAE)	
AC Input Voltage ⁶	100-240V, 50-60Hz single phase
Rack Space	2U
Dimensions (height x width x depth)	88.9mm x 438mms x 927.1mm (3.5" x 17.25" x 36.5")
Weight	44kg (97 lbs.)
Power Consumption (typical, @25C ,18 to 72 SSDs)	400VA-1050VA
Power Socket Number/Type	2 x IEC C14

X2-R InfiniBand Switch (Two Included with Multi X-Brick Systems)	
Ports	36
AC Input Voltage ⁶	100-240V, 50-60Hz
Rack Space	1U
Dimensions (height x width x depth)	43.7mm x 428mm x 686mm (1.72" x 16.84" x 27")
Weight	11.5kg (25 lbs.)
Power Consumption (typical, @25C)	106VA
Power Socket Number/Type	2 x IEC C14
X2-S InfiniBand Switch (Two Included with Multi X-Brick Systems)	
Ports	12
AC Input Voltage ⁶	100-240V, 50-60Hz
Rack Space	1U
Dimensions (height x width x depth)	43.7mm x 200mm x 399mm (1.72" x 7.9" x 15.7")
Weight	3.2kg (7.1 lbs.)
Power Consumption (typical, @25C)	100VA
Power Socket Number/Type	2 x IEC C14
Environmental	
Operating Temperature	5° to 40°C
Non-Operating Temperature	-20° to 50°C
Operating Relative Humidity	10% to 90% (non-condensing)
Non-Operating Relative Humidity	5% to 90% (non-condensing)
Regulatory and Compliance	CE, UL, FCC/EMC, RoHS2, ASHRAE A3
System AC Input Voltage (single phase, 3-phase WYE, 3-phase Delta)	200-240V, 50-60Hz

⁶ Note that the system is not configured to support low line (100v) and depending on configuration, may experience issues. If low line is required, please submit an RPQ.

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