



iSCSI SAN Storage Specifications

Nimble Storage systems provide a highly available, redundant controller design that can non-disruptively scale to fit your storage performance and capacity requirements. From high-IOPS environments like VDI to high-capacity applications like SharePoint or Exchange, Nimble Storage iSCSI SAN arrays provide adaptive performance for all mainstream business applications and environments, including Exchange, SharePoint, SQL Server, Oracle, virtual server infrastructure (VDI), and server virtualization.

Nimble Storage features two product lines:

- **The CS200 Series** is ideal for midsize IT organizations or distributed sites of larger organizations, supporting workloads such as Microsoft applications, VDI, or virtual server consolidation.
- **The CS400 Series** delivers higher performance and is ideal for larger-scale deployments or IO-intensive workloads, such as larger-scale VDI or transaction processing supported by Oracle or SQL Server.

Technical Specifications

Nimble CS-Series	CS210	CS220	CS240	CS260	CS420 ¹	CS440	CS460
Controller Type	High Performance				Extreme Performance		
Raw Disk Capacity, Base (TB)	8	12	24	36	12	24	36
Effective Capacity, Base (TB) ²	4 - 9	8 - 16	16 - 33	25 - 50	8 - 16	16 - 33	25 - 50
Effective Capacity, Maximum (TB) ^{2*3}	38 - 76	109 - 218	117 - 234	125 - 249	109 - 218	117 - 234	125 - 249
Max Number of Expansion Shelves	38 - 76	109 - 218	117 - 234	125 - 249	109 - 218	117 - 234	125 - 249
Base Flash Capacity (GB)	1	Up to 3					
-X2 Flash Capacity (GB)	160	320	640	1,200	-	640	1,200
-X4 Flash Capacity (GB)	-	640	1,200	2,400	640	1,200	2,400
Network Connections Per Controller	-	1,200	2,400	-	1,200	2,400	-
External SAS Connectivity Per Controller	4x1GbE	6x1GbE / 2x10GbE+2x1GbE (G-model)					
Power Requirement	450W	2,400			2,400		

Expansion Shelves ES1-Series	ES1-H25	ES1-H45	ES1-H65
Raw Disk Capacity (TB) ²	15	30	45
Effective Capacity (TB) ²	11 - 22	23 - 45	34 - 68
Flash Capacity (GB)	160	300	600
SAS Connectivity Per Controller		4x 6Gb SAS	
Power Requirement		400W	

Notes

1. The CS420 model is available in CS420-X2 and CS420-X4 options only.
2. Raw and effective capacities are calculated using Base 10 (i.e., 1 TB = 1,000,000,000,000 bytes) after excluding space for parity, spares, and system overhead; the range represents 0 to 2x compression.
3. Maximum capacity is the capacity of the base array and maximum number of expansion shelves

Physical and Environmental Specifications	ES1-H45
Dimensions	5.2"H x 17.2"W x 26.5"D 13.2 cm x 43.7 cm x 67.3 cm 3 Rack Units
Weight	76 lbs.
Operating Temperature	10 - 35°C (50 - 95°F)
Non-Operating Temperature	0°C - 40°C (32°F - 110°F)
Operating Humidity	8 - 90%
Non-operating Humidity	5 - 95%