

NST6000MC™ METRO STORAGE CLUSTER SPECIFICATION SHEET



NST6000MC BY THE NUMBERS CLUSTER CAPACITIES

Data listed in the table refers to a two-node NST6000 metro storage cluster configuration. Storage capacities are mirrored.

	2 x NST6330MC	2 x NST6530MC
Max Cluster Form Factor	26 U per Site; 52 U in Cluster	38 U per Site; 76 U in Cluster
Standard Maximum FASTier Read Cache Cluster Capacity	4.0 TB 8.8 TB	8.8 TB 18.4 TB
Max SSD SAS Cluster Capacity	48	48
Max SATA Cluster Capacity	2,880 TB	4,320 TB
Max SAS Cluster Capacity	432 TB	648 TB
Total Front-End I/O: 1GbE	4 to 20	4 to 20
Total Front-End I/O: 10GbE	4 to 12	4 to 12
Total Back-End I/O: 8GbFC	8 to 16	8 to 32
NestOS	Included	Included
E-Centre GUI	Included	Included
Command-Line Interface	Included	Included
Back-End Storage Arrays	4 Arrays 16 Engines	6 Arrays 24 Engines
Back-End Storage Expansion	8 Expansion Units	12 Expansion Units

NST6000MC TECHNICAL SPECS CONTROLLER NODE CAPACITIES

Data listed in the table refers to a single NST6000MC controller node.

NST6000 MC Controller Nodes:	NST6330MC	NST6530MC
Controller Form Factor	1 controller in 2U chassis	1 controller in 2U chassis
Intel CPU Type # of Cores	Xeon Processor MP 8 cores	Xeon Processor MP 12 cores
Controller Node Memory Standard Maximum	48 GB 96 GB	96 GB 192 GB
RAID Levels	RAID 5, RAID 6	RAID 5, RAID 6
Max FASTier Read Cache Devices	Up to 24 Devices	Up to 24 Devices
FASTier Read Cache Types	200,400GB eMLC 100,200GB SLC	200,400GB eMLC 100,200GB SLC
Standard Maximum FASTier Read Cache Capacity	2.0 TB 4.4 TB	4.4 TB 9.2 TB
Max SSD SAS Drives Capacity	24	24
Max 7.2K SATA Drives Capacity	360 Drives 1,440 TB	540 Drives 2,160 TB
Max 15K SAS Drives Capacity	360 Drives 216 TB	540 Drives 324 TB
Max E-Series RAID Arrays Engines	2 Arrays 8 Engines	3 Arrays 12 Engines
Max E-Series Expansion Units	4 Units	6 Units
Max Cluster Node Form Factor	26 U per Site	38 U per Site

NST6000MC TECHNICAL SPECS CONTROLLER NODE CONNECTIVITY

Data listed in the table refers to a single NST6000MC controller node

NST6000 MC Controller Nodes:	NST6330MC	NST6530MC
Host Connectivity		
Embedded 1GbE I/O	4-port 1GbE 1 is management. 1 is reserved.	4-port 1GbE 1 is management. 1 is reserved.
PCIe Slots for GbE	2	2
Standard 10 GbE (PCIe) I/O	2-port 10GbE	2-port 10GbE
Optional 1GbE Adapter Card	2-port or 4-port 1GbE	2-port or 4-port 1GbE
Optional 10GbE Adapter Card	2-port 10GbE	2-port 10GbE
1GbE I/O Ports	2 to 10	2 to 10
10GbE I/O Ports	2 to 6	2 to 6
Storage Connectivity		
PCIe Slots for Fibre Channel	2 to 4	2 to 4
8 Gb/s Fibre Channel Card	2-port 8 Gb/s FC	2-port or 4-port 8 Gb/S FC
8 Gb/s Fibre Channel I/O Ports	4 to 8	4 to 16

NST6000MC TECHNICAL SPECS CONTROLLER NODE STORAGE SERVICES

Data listed in the table refers to a single NST6000MC controller node.

NST6000 MC Controller Nodes:	NST6330MC	NST6530MC
Client Support	Linux, OS X, Unix, Windows ESXi, Hyper-V, XenServer	
Storage Services	CIFS, SMBv1, NFSv3, NFSv4, iSCSI target, FTP	
Maximum Single File Size	16 TB	16 TB
Max NFS Shares	512	512
Max CIFS Shares	512	512
Max Snapshots Per Share	2,048	2,048
Maximum LUN Size	16 TB	16 TB
Max LUNs	1,024	1,024
Max Snapshots per LUN	2,048	2,048

NST6000MC TECHNICAL SPECS CLUSTER NODE ADDITIONAL SPECIFICATIONS

Data listed in the table refers to a single NST6000MC controller node

NST6000 MC Controller Nodes:	NST6330MC	NST6530MC
Operating Temperature	10-35C, 50-95F	10-35C, 50-95F
Operating Humidity	20-95% (non-condensing)	20-95% (non-condensing)
U of Rack Space	2U	2U
Height	3.5in, 8.76cm	3.5in, 8.76cm
Width	17.2in, 43.8cm	17.2in, 43.8cm
Depth	27.87in, 70.78cm	27.87in, 70.78cm
Weight	>40lbs, >18.1Kg	>40lbs, >18.1Kg
# hot swappable power supplies	2	2
Maximum Power/Controller Node	< 430 W	< 430 W
Voltage, Frequency	Voltage (110): 90-132V; Frequency 47-63 Hz Voltage (220): 180-246V; Frequency 47-63 Hz	Voltage (110): 90-132V; Frequency 47-63 Hz Voltage (220): 180-246V; Frequency 47-63 Hz
Heat Dissipation	1467 btu/hr	1467 btu/hr

ABOUT IMATION

Imation is a global data storage and information security company. Imation's Nexsan portfolio features solid-state optimized unified hybrid storage systems, secure automated archive solutions and high-density enterprise storage arrays. For more information, visit www.nexsan.com.