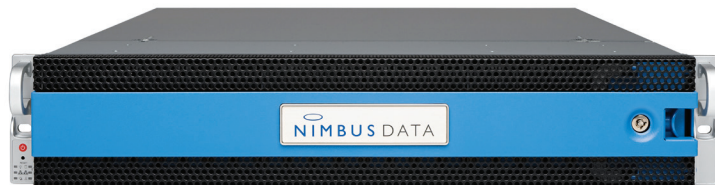


# S-Class Flash Memory Platform

Breakthrough storage performance and efficiency for virtualization, databases, HPC, and cloud



## Highlights

- 100% Flash Memory (solid state storage)
- Up to 50x faster than conventional disk arrays
- Consumes up to 80% less power and rackspace
- Unified multi-protocol SAN and NAS platform
- Comprehensive data management software
- Ethernet, Fibre Channel, and/or Infiniband ports
- Redundant power, cooling, and IO controllers

## Advantages

- Performance: Up to 800,000 4K IOps
- Throughput: Up to 8,000 MBps
- Latency: As low as 0.1 ms
- Efficiency: As low as 14 W per TB
- Scalability: From 2.5 TB to 100 TB
- Density: Up to 5 TB per rack U
- Simplicity: All-inclusive HALO software

## Next-generation Intelligent Solid State Storage Platform

Featuring up to 240 enterprise flash modules and Nimbus' comprehensive HALO operating system, the S-Class offers up to 50x greater performance while consuming up to 80% less energy and rackspace than traditional 15K rpm disk arrays. Designed for the rigorous storage requirements of virtualization, databases, HPC, and cloud infrastructure, the S-Class offers non-disruptive scalability to 100 TB of solid state storage in a modular design that supports Ethernet, Fibre Channel, and Infiniband networks. The Nimbus S-Class simplifies the consolidation of both block (SAN) and file (NAS) storage by supporting iSCSI, FCP, SRP, NFS, and CIFS protocols.

With point-in-time snapshots, async/sync replication, thin provisioning, and inline deduplication, the S-Class delivers complete management and data protection in one simple interface, without complex software licensing. Nimbus' innovative flash modules deliver exceptional durability with hot-swap, RAID, wear-leveling, and ample NAND reserve. Winner of numerous awards, the S-Class is the foundation of Nimbus' Sustainable Storage® vision for enabling greener, more agile datacenters.

## Nimbus S-Class Specifications

<b>Models</b>	S255M / S255X (expansion) S505M / S505X (expansion) S1005M / S1005X (expansion)	2.5 TB: 24 x 100 GB Enterprise Flash Modules 5.0 TB: 24 x 200 GB Enterprise Flash Modules 10.0 TB: 24 x 400 GB Enterprise Flash Modules
<b>Connectivity</b>	Network Ports  Management Ports	Up to 16 ports of Gigabit Ethernet Up to 16 ports of 10 Gigabit Ethernet Up to 8 ports of 8 Gbps Fibre Channel Up to 8 ports of 56 Gbps FDR Infiniband 2 x GbE (RJ-45)
<b>Storage</b>	Maximum Flash Modules Maximum Capacity NAND Configuration	240 100 TB Enterprise-grade flash with 28% reserve provision
<b>System</b>	Software Processor Cores Redundant Components	Nimbus HALO operating system 12 Flash modules, power supplies, fans, and IO modules
<b>Platform Support</b>	Operating System Support Virtualization Support	Windows Server 2003/2008, Windows 7, Linux, Solaris, HP/UX, Netware, AIX VMware ESX Server, Citrix XenServer, Microsoft Hyper-V, Virtual Iron
<b>Dimensions</b>	Height Width Depth Weight (maximum)	2 RU Units (3.46 in or 87.9 mm) 17.49 in or 443.7 mm 25.18 in or 639.6 mm 65.0 lbs or 29.5 kg
<b>Power</b>	Voltage Frequency Electrostatic Discharge	100 - 240 VAC 48 - 62 Hz 15 KV per test specification
<b>Environmental</b>	Ambient Temperature Relative Humidity Altitude Acoustics	Operating: 5 to 35 °C, Non-operating: 1 to 50 °C Operating: 10% to 80% non-condensing Operating: 0 to 2,133 m, Non-operating: -305 to 12,192 m < 7.0 BA in idle state at 23 °C ambient temperature
<b>Shock &amp; Vibration</b>	Operational Shock Operational Vibration Non-operational Shock Non-operational Vibration	5G for 10ms Random 0.21 grms 5-500 Hz 30G for 10ms Random 1.04 grms 2-200 Hz
<b>Agency Approvals</b>	UL and cUL listed. Tested to UL 60950. FCC Class A. Certified Body Certificate and Report to IEC60950. CE marked to requirements of Low Voltage Directive 73/23/EEC and Electromagnetic Compatibility Directive 89/336/EEC.	
<b>Warranty &amp; Support</b>	One (1) year warranty standard, extendable to five (5) years. Premium onsite service options and spares kits available.	

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