

# SPHERE SERVERS - DATASHEET - SUPERSPHERE

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## OVERVIEW

A powerful storage server with up to almost 100TB raw capacity. With dual 10Gb ethernet options, and dual 1Gb ethernet as standard, connectivity is superb.

State of the art Linux operating system and packages are controlled through our simple, web browser control panel to provide ease of use and flexibility that we believe is second to none.

Set up users and share folders for any mix of Windows, Apple and Linux clients and control access privileges easily and effectively.

Proven in real world applications that are renowned for being tricky - for example open an After Effects file on one workstation while editing its layers in Photoshop on another. One machine could be a Mac Pro, the other a Windows workstation. SuperSphere doesn't care. Which means you don't have to either.

But that's not all. SuperSphere also delivers our full range of OfficeSphere features, so as well as a huge powerhouse of a storage server, you can enable as much (or as little) of the following as you require...

- Email server (IMAP, POP3 and webmail)
- Web server (including SSL if required)
- FTP server (with user logins per folder if required)
- Firewall (with port forwarding)
- DHCP server (manage your entire network)
- DNS caching server (speed up your local access)
- Bonjour discovery (shares announce themselves)

...and, in conjunction with a suitable backup system, users and groups may be synchronised to either local or offsite backup storage media.

## CONTACT US

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## SPECIFICATIONS

Chassis:	4U rackmounting chassis with rails
Height:	7" (178mm)
Width:	17.2" (437mm)
Depth:	26" (660mm)
Gross Weight:	75 lbs (34.0kg)
CPU type:	1 or 2 Intel Xeon CPU E5-2620
Intel QPI speed:	2.0GHz cpu
RAM:	6GB or 12GB DDR-3 memory (192GB max)
System disks:	2 x 100GB SSD
System RAID:	mirrored drives using onboard LSI controller
Storage disks:	1-24 x 2TB or 3TB 7200rpm 3.5 SATA
Storage RAID:	RAID levels 5,6, 50 or 60 as desired
Storage backplane:	SATA 6Gb/s per disk, hotswappable
Service Processor:	IPMI 2.0 LOM (lights out management)
Gigabit network:	2 x Intel gigabit ethernet ports
10G option:	2 x 10Gbe copper CX4 or RJ45 ports
LOM:	1 x 10/100 Service Processor LAN port
System software:	OfficeSphere 1.8.2
Linux kernel:	3.2.54-2-sphere
Underlying OS:	Debian Linux
Onboard graphics:	VGA console output
Expansion:	7 x PCI-e expansion slots (6 if 10Gb fitted) 2 x USB 2.0 connectors
Power supplies:	Dual redundant 900W psus

## PERFORMANCE

With 11TB RAID6 disk system built from 8 x 2TB disks, sustained read and write speeds well in excess of 400MB/sec.

With 6 Mac Pro workstations, each connected via bonded gigabit (using appropriate network interfaces for these machines), giving 2Gb connections to each workstation, through a suitable managed and bonded network switch over a dedicated CAT6 infrastructure every workstation can easily read/write to the SuperSphere at speeds in excess of 200MB/sec. At once.

