

Disk Arrays and Expansion Cabinet Disk Options

Disk Arrays

StorEdge A1000

Description	Order Number
StorEdge A1000 Tabletop/Deskside	
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop, Deskside, w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fan trays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY144A-36G
109-Gbyte (12 x 9.1-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop, Deskside, w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY144A-109G
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge A1000 Tabletop or Deskside w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY151A-72G
218-Gbyte (12 x 18-Gbyte 10,000 RPM disks) Sun StorEdge A1000 Tabletop or Deskside w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY151A-218G
145-Gbyte (4 x 36.4-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop or Deskside w/1HW RAID Controller card, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY161A-145G
291-Gbyte (8 x 36.4-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop or Deskside w/1HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY161A-291G

StorEdge A1000 Compatibility Matrix

Description	Order Number	Enterprise	Enterprise	Enterprise	Ultra
		/HPC 10000	/HPC 3/4/5/ 6X00	2/5/10/ 250/450	2/5/10/60
StorEdge A1000 Tabletop/Deskside					
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop, Deskside, w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fan trays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY144A-36G		✓	✓	✓
109-Gbyte (12 x 9.1-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop, Deskside, w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY144A-109G ¹		✓	✓	✓
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge A1000 Tabletop or Deskside w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY151A-72G		✓	✓	✓
218-Gbyte (12 x 18-Gbyte 10,000 RPM disks) Sun StorEdge A1000 Tabletop or Deskside w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY151A-218G ¹		✓	✓	✓
145-Gbyte (4 x 36.4-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop or Deskside w/1HW RAID Controller card, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY161A-145G		✓	✓	✓
291-Gbyte (8 x 36.4-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop or Deskside w/1HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports	SG-XARY161A-291G ¹		✓	✓	✓

Footnote

1. Standard Configurations are Sun's recommended configurations.

StorEdge A1000 *(continued)*

Description	Order Number
StorEdge A1000 Rackmountable	
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge A1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY146A-36G
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge A1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 HW RAID Controller, 24MB Std. Cache 2 power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY152A-72G
145-Gbyte (4 x 36.4-Gbyte 10K RPM disks) Sun StorEdge A1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 HW RAID Controller Card, 24MB std. cashe, 2 Power supplies, 2 fantrays (4 fans), 2 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY162A-145G
StorEdge Netra st A1000 Rackmountable	
Telecom storage array for telco/ISP with hardware RAID controller, UltraSCSI differential to host, 4x18GB, 10Krpm drives, redundant DC power, redundant fans hot-swap drives, power, fans rack-mount ready, 4ux19"x21" Same software as StorEdge A1000	NS-XARY151A-72GDC
Telecom storage array for telco/ISP with hardware RAID controller, UltraSCSI differential to host, 4x18GB, 10Krpm drives, redundant AC power, redundant fans hot-swap drives, power, fans rack-mount ready, 4ux19"x21" Same software as StorEdge A1000	NS-XARY151A-72GAC

StorEdge A1000 Compatibility Matrix *(continued)*

Description	Order Number	Enterprise /HPC 10000	Enterprise /HPC 3/4/5/ 6X00	Enterprise 2/5/10/ 250/450	Ultra 2/5/10/60
StorEdge A1000 Rackmountable					
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge A1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 HW RAID Controller, 24MB std. cache, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY146A-36G ¹		✓	✓	✓
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge A1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 HW RAID Controller, 24MB Std. Cache 2 power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY152A-72G ¹		✓	✓	✓
145-Gbyte (4 x 36.4-Gbyte 10K RPM disks) Sun StorEdge A1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 HW RAID Controller Card, 24MB std. cashe, 2 Power supplies, 2 fantrays (4 fans), 2 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY162A-145G ¹		✓	✓	✓
StorEdge Netra st A1000 Rackmountable					
Telecom storage array for telco/ISP with hardware RAID controller, UltraSCSI differential to host, 4x18GB, 10Krpm drives, redundant DC power, redundant fans hot-swap drives, power, fans rack-mount ready, 4ux19"x21" Same software as StorEdge A1000	NS-XARY151A-72GDC ^{1,2}				
Telecom storage array for telco/ISP with hardware RAID controller, UltraSCSI differential to host, 4x18GB, 10Krpm drives, redundant AC power, redundant fans hot-swap drives, power, fans rack-mount ready, 4ux19"x21" Same software as StorEdge A1000	NS-XARY151A-72GAC ^{1,2}		✓	✓	✓

Footnotes

1. Remove the "X" and append R5 (i.e. SG-ARY152A-72GR5) for installation in the Sun StorEdge Expansion Cabinet.
2. This product is OEM-Ready, please refer to the "Ordering Policies and Guidelines" section page 1-1.

StorEdge D1000

Description	Order Number
StorEdge D1000 Tabletop/Deskside	
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge D1000 Tabletop, Deskside, w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY145A-36G
109-Gbyte (12 x 9.1-Gbyte 10K RPM disks) Sun StorEdge D1000 Tabletop, Deskside, w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY145A-109G
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge D1000 Tabletop or Deskside w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY153A-72G
218-Gbyte (12 x 18-Gbyte 10,000 RPM disks) Sun StorEdge D1000 Tabletop or Deskside w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY153A-218G
145Gbyte (4 x 36.4-Gbyte 10k RPM disks) Sun StorEdge D1000 Tabletop or Deskside w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY163A-145G
291-Gbyte (8 x 36.4-Gbyte 10K RPM disks) Sun StorEdge D1000 Tabletop or Deskside w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY163A-291G

StorEdge D1000 Compatibility Matrix

Description	Order Number	Enterprise/ HPC 3/4/5/ 6X00	Enterprise 2/5/10/ 250/450	Ultra 2/5/10/60
StorEdge D1000 Tabletop/Deskside				
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge D1000 Tabletop, Deskside, w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY145A-36G	✓	✓	✓
109-Gbyte (12 x 9.1-Gbyte 10K RPM disks) Sun StorEdge D1000 Tabletop, Deskside, w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY145A-109G ¹	✓	✓	✓
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge D1000 Tabletop or Deskside w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY153A-72G	✓	✓	✓
218-Gbyte (12 x 18-Gbyte 10,000 RPM disks) Sun StorEdge D1000 Tabletop or Deskside w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY153A-218G ¹	✓	✓	✓
145Gbyte (4 x 36.4-Gbyte 10k RPM disks) Sun StorEdge D1000 Tabletop or Deskside w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY163A-145G	✓	✓	✓
291-Gbyte (8 x 36.4-Gbyte 10K RPM disks) Sun StorEdge D1000 Tabletop or Deskside w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports	SG-XARY163A-291G ¹	✓	✓	✓

Footnote

- *Standard Configurations are Sun's recommended configurations.*

StorEdge D1000 *(continued)*

Description	Order Number
StorEdge D1000 Rackmountable	
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY147A-36G
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY154A-72G
145-Gbyte(4x36.4-Gbyte, 10K RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1Interface Card, 2 Power supplies 2 fantrays (4 fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY164A-145G
StorEdge Netra st D1000 Rackmountable	
Telecom storage array for telco/ISP JBOD (Just a Bunch Of Disks) UltraSCSI differential to host, 4x18GB, 10Krpm drives, redundant DC power, redundant fans hot-swap drives, power, fans rack-mount ready, 4ux19"x21" Same software as StorEdge D1000	NS-XARY153A-72GDC
Telecom storage array for telco/ISP JBOD (Just a Bunch Of Disks) UltraSCSI differential to host, 4x18GB, 10Krpm drives, redundant AC power, redundant fans hot-swap drives, power, fans rack-mount ready, 4ux19"x21" Same software as StorEdge D1000	NS-XARY153A-72GAC

StorEdge D1000 Compatibility Matrix (continued)

Description	Order Number	Enterprise /HPC 10000	Enterprise /HPC 3/4/5/ 6X00	Enterprise 2/5/10/ 250/450	Ultra 2/5/10/60
StorEdge D1000 Rackmountable					
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY147A-36G ^{1,2}	✓	✓	✓	✓
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY154A-72G ^{1,2}	✓	✓	✓	✓
145-Gbyte(4x36.4-Gbyte, 10K RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1Interface Card, 2 Power supplies 2 fantrays (4 fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY164A-145G ^{1,2}	✓	✓	✓	✓
StorEdge Netra st D1000 Rackmountable					
Telecom storage array for telco/ISP JBOD (Just a Bunch Of Disks) UltraSCSI differential to host, 4x18GB, 10Krpm drives, redundant DC power, redundant fans hot-swap drives, power, fans rack-mount ready, 4ux19"x21" Same software as StorEdge D1000	NS-XARY153A-72GDC ²				
Telecom storage array for telco/ISP JBOD (Just a Bunch Of Disks) UltraSCSI differential to host, 4x18GB, 10Krpm drives, redundant AC power, redundant fans hot-swap drives, power, fans rack-mount ready, 4ux19"x21" Same software as StorEdge D1000	NS-XARY153A-72GAC ²		✓	✓	✓

Footnotes

1. Remove the X and append R4 for (i.e. SG-nnnnnnnn-nnGR4) for installation in Enterprise System Cabinet.
2. Remove the "X" and append R5 (i.e. SG-nnnnnnnn-nnGR5) for factory installation in the Sun StorEdge Expansion Cabinet.

StorEdge A1000/D1000 Options

Description	Order Number
Expansion Drives for StorEdge A1000/D1000	
Internal 9.1-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5235A
Internal 18.2-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5238A
Internal 36.4-Gbyte, 10000 RPM UltraSCSI disk drive, 1.6" high w/ barrier plate	X5240A
Memory Expansion for StorEdge A1000/D1000	
StorEdge A1000 64-Mbyte (2 x 32MB) add-on Cache Memory	X7040A
Packaging Options	
72-inch StorEdge Expansion Rack w/ 2 power sequencers and cables The StorEdge Expansion Rack is intended for a variety of Storage Products including the A1000/D1000, A3000, A5000, and tape products. The rack is 24" wide and 72" tall. This rack will include power sequencers and power cables.	SG-XARY030A
A1000/D1000 Rackmount Kit for tabletop conversion, includes rails and rackmount tray.	X9653A
Front door assembly for 72" expansion cabinet	X9818A
A1000/D1000 Tower Stand	X9606A
Software Options	
A1000 & A3X00 storage arrays Volume Mgmt SW for NT-based systems. For any Pentium-class(max. 4 processor) system w/ up to 4 A1000's or A3x00' attached. Kit includes CD-ROM media and installation documentation. Requires either an Adaptec AHA2944 HBA or Sun PCI(X6541A) HBA.	ARRAYNT-6221-B

StorEdge A1000/D1000 Options Compatibility Matrix

Description	Order Number	Sun Enterprise 10000/HPC 10000	Sun Enterprise 3/4/5/6X00 HPC 3/4/5/6X00	Sun E2
Expansion Drives for StorEdge A1000/D1000				
Internal 9.1-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5235A ¹			
Internal 18.2-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5238A ¹			
Internal 36.4-Gbyte, 10000 RPM UltraSCSI disk drive, 1.6" high w/ barrier plate	X5240A ¹			
Memory Expansion for StorEdge A1000/D1000				
StorEdge A1000 64-Mbyte (2 x 32MB) add-on Cache Memory	X7040A			
Packaging Options				
72-inch StorEdge Expansion Rack w/ 2 power sequencers and cables The StorEdge Expansion Rack is intended for a variety of Storage Products including the A1000/D1000, A3000, A5000, and tape products. The rack is 24" wide and 72" tall. This rack will include power sequencers and power cables.	SG-XARY030A ²			
A1000/D1000 Rackmount Kit for tabletop conversion, includes rails and rackmount tray.	X9653A			
Front door assembly for 72" expansion cabinet	X9818A			
A1000/D1000 Tower Stand	X9606A			
Software Options				
A1000 & A3X00 storage arrays Volume Mgmt SW for NT-based systems. For any Pentium-class(max. 4 processor) system w/ up to 4 A1000's or A3x00' attached. Kit includes CD-ROM media and installation documentation. Requires either an Adaptec AHA2944 HBA or Sun PCI(X6541A) HBA.	ARRAYNT-6221-B			

Footnotes

1. Remove the "X" (ie. nnnA) to order factory installed into an R4 or R5 rackmount A1000/D1000 configuration.
2. Can be ordered as configured version with a minimum quantity of three Sun StorEdge A1000 or D1000 trays (i.e. SG-ARY030A).

StorEdge A1000/D1000 Options *(continued)*

Description	Order Number
Options for Netra st A1000/D1000	
0.16 meter R/A external SCSI cable Netra st A1000/D1000 with right angle connectors OEM ready - 12/98	X991A
2 meter external SCSI cable Netra st A1000/D1000 with right angle connector, connects to left hand side of back of array	X992A
4 meter external R/A SCSI cable Netra st A1000/D1000 with right angle connector, connects to left hand side of back of array	X993A
EMI shield and air filter for Netra st A1000/D1000 OEM ready - 12/98	X994A
23"/24" rack mount kit for Netra st A1000/D1000 OEM ready - 12/98	X6907A
600mm rack mount kit for Netra st A1000/D1000 OEM ready - 12/98	X6909A
DC plug connectors, 10-pack, for Netra st A1000/D1000 OEM ready - 12/98	X995A

StorEdge A1000/D1000 Options Compatibility Matrix

(continued)

Description	Order Number	Sun Enterprise 10000/HPC 10000	Sun Enterprise 3/4/5/6X00 HPC 3/4/5/6X00	Sun Enterprise 2
Options for Netra st A1000/D1000				
0.16 meter R/A external SCSI cable Netra st A1000/D1000 with right angle connectors OEM ready - 12/98	X991A ¹			
2 meter external SCSI cable Netra st A1000/D1000 with right angle connector, connects to left hand side of back of array	X992A ¹			
4 meter external R/A SCSI cable Netra st A1000/D1000 with right angle connector, connects to left hand side of back of array	X993A ¹			
EMI shield and air filter for Netra st A1000/D1000 OEM ready - 12/98	X994A ¹			
23"/24" rack mount kit for Netra st A1000/D1000 OEM ready - 12/98	X6907A ¹			
600mm rack mount kit for Netra st A1000/D1000 OEM ready - 12/98	X6909A ¹			
DC plug connectors, 10-pack, for Netra st A1000/D1000 OEM ready - 12/98	X995A ¹			

Footnote

1. This product is OEM-Ready, please refer to the "Ordering Policies and Guidelines" section page 1-1.

StorEdge A3500/A3500FC Ordering Flow Chart

Each step represents a **required/recommended** line item on a Sales Order

Step 1 - required

**A3500/A3500FC
- Array**

Choose from:

Configure-to-order base models:

- SG-ARY370A-91G - 1 rack, 5 disk trays, 10x9.1GB, 10krpm drives*
- SG-ARY372A-182G - 1 rack, 7 disk trays, 20x9.1GB, 10krpm drives**
- SG-ARY374A-273G - 2 racks, 15 disk trays, 30x9.1GB, 10krpm drives***
- SG-ARY380A-182G - 1 rack, 5 disk trays, 10x18.2GB, 10krpm drives*
- SG-ARY382A-364G - 1 rack, 7 disk trays, 20x18.2GB, 10krpm drives**
- SG-ARY384A-546G - 2 racks, 15 disk trays, 30x18.2GB, 10krpm drives***
- SG-ARY381A-364G - 1 rack, 5 disk trays, 10x36.4GB, 10krpm drives*
- SG-ARY383A-728G - 1 rack, 7 disk trays, 20x36.4GB, 10krpm drives**
- SG-ARY385A-1092G - 2 racks, 15 disk trays, 30x36.4GB, 10krpm drives***

Complete Configurations:

- SG-XARY360A-545G - 1 rack, 1 SCSI controller mod., 5 disk trays, 60x9.1GB, 10krpm drives****
- SG-XARY380A-1092G - 1 rack, 1 SCSI controller mod., 5 disk trays, 60x18.2GB, 10krpm drives****
- SG-XARY381A-1546G - 1 rack, 1 SCSI controller mod., 5 disk trays, 60x36.4GB, 10krpm drives****
- SG-XARY360B-545G - 1 rack, 1 FC-AL controller mod., 5 disk trays, 60x9.1GB, 10krpm drives****
- SG-XARY380B-1092G - 1 rack, 1 FC-AL controller mod., 5 disk trays, 60x18.2GB, 10krpm drives****
- SG-XARY381B-1546G - 1 rack, 1 FC-AL controller mod., 5 disk trays, 40x36.4GB, 10krpm drives****

- * One controller module must be ordered (6537A or 6538A)
- ** Two controller modules must be ordered (6537A or 6538A)
- *** Three controller modules must be ordered (6537A or 6538A)
- **** No additional disks or controller modules can be factory installed



Step 2 - required

Power cords
Two per rack are required

Choose one:
3858A - U.S. power cord for cabinet
3859A - International power cord for cabinet



Step 3 - required/optional

Controller module

Choose one:
6537A - SCSI host interface
6538A - FC-AL host interface



Step 4 - required/optional

Host Adapters

X6541A - PCI Differential UltraSCSI Host Adapter
X1065A - SBus Differential UltraSCSI Host Adapter
X6729A - PCI FC-AL Host Adapter
X16730A - SBus FC-AL Host Adapter



Step 5- optional

Disk Drives
Max of 12 per tray with 9GB disks
Max of 12 per tray with 18GB disks
Max of 8 per tray with 36GB disks

5235A - 9GB, 10krpm disk
5238A - 18GB, 10krpm disk
5240A - 36GB, 10krpm disk

StorEdge A3500/A3500FC Ordering Flow Chart *(continued)*

Each step represents a **required/recommended** line item on a Sales Order



Step 6 - optional

Hubs

1 Hub holds 7 GBICs Maximum. None are included.



X6732A - FC-AL Hub 7 Slot 0 OE
X6735A - Dual Hub Rackmount Kit
Compatible only with FC-AL controller (6538A)



Step 7 - optional

GBIC modules



X6731A - FC-AL Shortwave Module
Compatible only with FC-AL controller (6538A)



Step 8 - optional

Cache Memory

Order 2 per controller module



X7020A
Compatible only with SCSI controller (6537A)



Step 9 - optional

NT interoperability software



ARRAYNT-6221-B
Compatible only with SCSI controller (6537A)



Step 10 - optional

Cables



X979A - 12m Differential SCSI Cable*
X3830A- 4m 68-pin to VHDC Diff SCSI Cable*
X3831A- 10m 68-pin to VHDC Diff SCSI Cable*
X973A - 2m Fibre Channel Cable**
X978A - 15m Fibre Channel Cable**

* Compatible with SCSI controller (6537A)

** Compatible with FC-AL controller (6538A)

StorEdge A3500-Light Ordering Flow Chart

Each step represents a **required/recommended** line item on a Sales Order

Step 1 - required

A3500-Light



SG-XARY366A-72G - 1 SCSI controller mod, 2 disk trays, 8x9.1GB, 10krpm drives
(Remove the "X" and append R5 for installation into a StorEdge rack.)



Step 2 - required

Power cords

Two per rack are required



Choose one:

3858A - U.S. power cord for cabinet
3859A - International power cord for cabinet



Step 3 - required/optional

Host adapters



Choose from:

X6541A- PCI Differential UltraSCSI Host Adapter
X1065A- SBus Differential UltraSCSI Host Adapter



Step 4 - optional

Disk Drives

Maximum of 12 per tray with 9GB disks



X5235A - 9GB, 10k rpm disk



Step 5 - optional

Storage rack



SG-XARY030A - StorEdge expansion rack



Step 6 - optional

Storage rack door



X9818A



Step 7 - optional

Cache Memory

Order 2 per controller module



X7020A



Step 8 - optional

NT operability software



ARRAYNT-6221-B



Step 9 - optional

SCSI Cables



Choose one:

X979A - 12m Differential SCSI cable
X3830A - 4m 68-pin to VHDC Differential SCSI cable
X3831A - 10m 68-pin to VHDC Differential SCSI cable

StorEdge A3500/A3500FC Configuration Guidelines

Complete configurations

- Complete configurations are offered with one controller and five disk trays, each fully loaded with drives.
- Choice of 9GB, 18GB and 36GB disks.

Configure-to-order Models

- Minimum disk configuration base models.
- Choice of 9GB, 18GB and 36GB disks.
- Choice of 5, 7 and 15 disk trays.
- Controller(s) must be ordered.
- Additional drives may be ordered optionally.

Disk Drives

- Up to eight 36.4GB, 1.6-inch high disk drives can be installed in each A3500/A3500FC disk tray.
- Up to twelve 9.1GB, 1-inch high or 18.2GB, 1-inch high disk drives can be installed in each A3500/A3500FC disk tray.
- 1-inch and 1.6-inch high disks cannot be mixed in the same disk tray. It is recommended that drive trays containing 1-inch high disks and drive trays containing 1.6-inch high disks not be mixed when attached to the same A3500/A3500FC controller module.

Controller Modules

- A maximum of 9 controller modules plus disk trays can be installed in a single rack.
- Choice of Ultra Differential SCSI and Fibre-Channel Host Interface.

Cache Memory

- Up to two 64-MB memory modules can be added to each SCSI controller module. Memory must be added in pairs.
- No additional memory can be added to a Fibre-Channel controller module.

Disk Trays

- A maximum of 9 controller modules plus disk trays can be installed in a single rack.
- A maximum of 5 disk trays can be attached to a single controller module.

SCSI Cables

- Two 12 meter Differential UltraSCSI cables ship with each SCSI controller module.
- Two 4 meter or 10 meter 68-pin to VHDC Differential SCSI cables must be ordered for connection to the PCI/SCSI adapter (X6541A).
- SCSI cables are compatible only with the SCSI controller (X6537A).
- 25 meters is the maximum cable length.

FC-AL Cables

- Two 15 meter Fibre-Channel cables ship with each Fibre-Channel Controller Module.
- FC-AL cables are compatible only with the fibre channel controller module.

StorEdge A3500/A3500FC Configuration Guidelines *(cont.)*

Host Adapter X6730A SBus or X6729A PCI

- The SBus FC-AL host adapter supports a single loop with an A3500FC. One GBIC optical module is included on each adapter.
- The PCI FC-AL host adapter supports a single loop. One optical module is fixed to the adapter.

Hub X6732A

- FC-AL hubs simplify the cabling of multiple hosts or arrays. Each hub supports up to 7 ports on one loop. Cabling through a hub ensures that single or multiple disk array failures will not impact other devices on a loop. The FC-AL hubs include no GBICs, so they must be ordered according to your configuration. Configure up to 4 A3500FC controller modules per hub.
- Hubs should be ordered in pairs for redundancy.
- A dual hub rackmount kit (6735A) is required for installation in an A3500FC rack.
- Hubs can only be installed in A3500FC configurations with one controller module and five disk trays.
- Hubs are only compatible with the Fibre-Channel Controller (6538A).

Short Wave GBIC X6731A

- The Gigabit Interface Converter (GBIC) is an opto-electronic device which converts electrical signals to optical. One GBIC is included on each host adapter and interface board. Hubs include no GBICs.
- GBICs are only ordered with hubs. The A3500FC controller and host bus adapters already include fixed optical modules or have GBICs installed.

StorEdge A3500-Light Configuration Guidelines

Disk Drives

- The standard A3500-Light ships with 8x9.1GB disk drives.
- Up to twelve 9.1GB, 1-inch high can be installed in each A3500-Light disk tray. 1-inch and 1.6-inch high disks cannot be mixed in the same disk tray. It is recommended that drive trays containing 1-inch high disks and drive trays containing 1.6-inch high disks not be mixed when attached to the same A3500 controller module.

Racks

- The A3500-Light must be installed into a 72" Sun StorEdge rack, a 68" Sun Enterprise Expansion Cabinet, or the Enterprise 5500/6500 system cabinet. All A3500-Light components ship with rackmounting rails. There is no need to order additional rackmount kits.

Cache Memory

- Up to two 64-MB memory modules can be added to each SCSI controller module. Memory must be added in pairs.

Disk Trays

- A maximum of 5 disk trays can be attached to a single controller module.

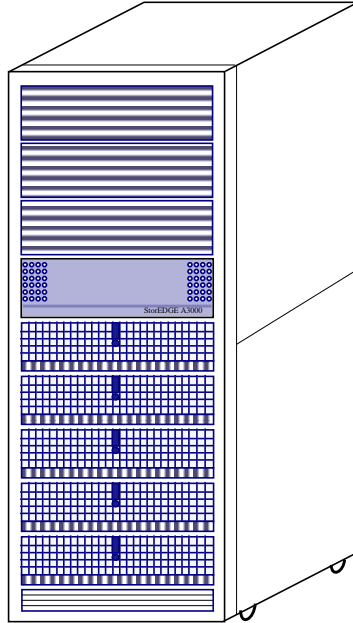
SCSI Cables

- Two 12 meter Differential UltraSCSI cables ship with each SCSI controller module.
- Two 4 meter or 10 meter 68-pin to VHDC Differential SCSI cables must be ordered for connection to the PCI/SCSI adapter (X6541A).

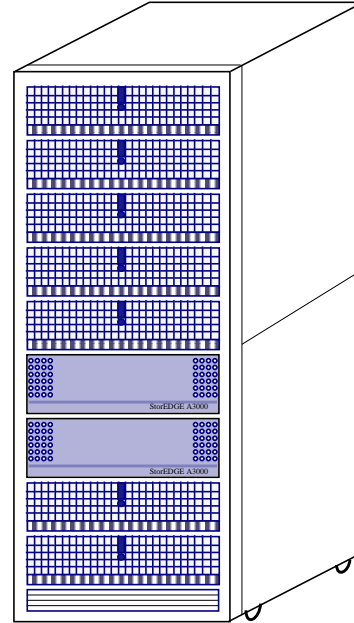
StorEdge A3500/A3500FC Configuration Overview

System Architecture Overview

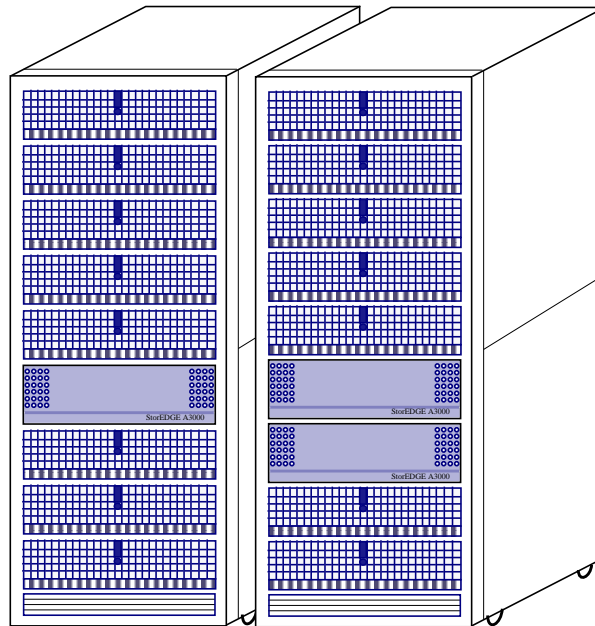
To provide scalable storage solutions, there are three basic StorEdge™ A3500/A3500FC array configurations with varying numbers of controllers and drive trays. Capacities shown are for 36GB, 1.6” high, 10000 rpm disk configurations.



1x5 Configuration
Up to 1.4 TB disk capacity



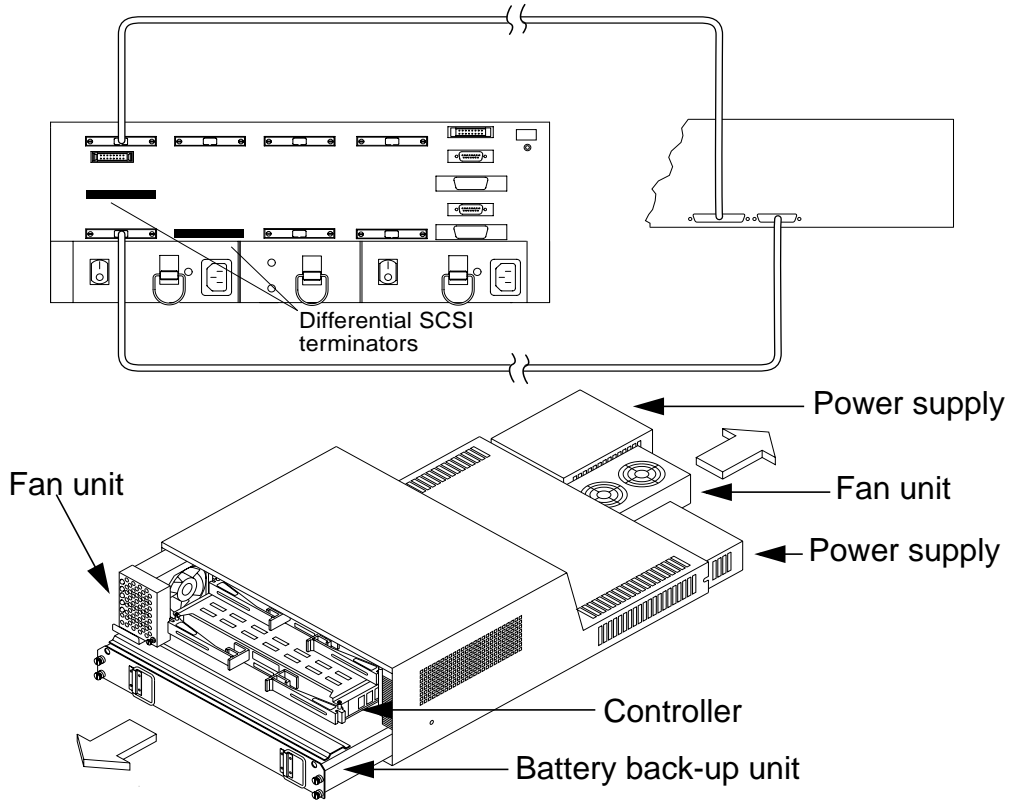
2x7 Configuration
Up to 2.0 TB disk capacity



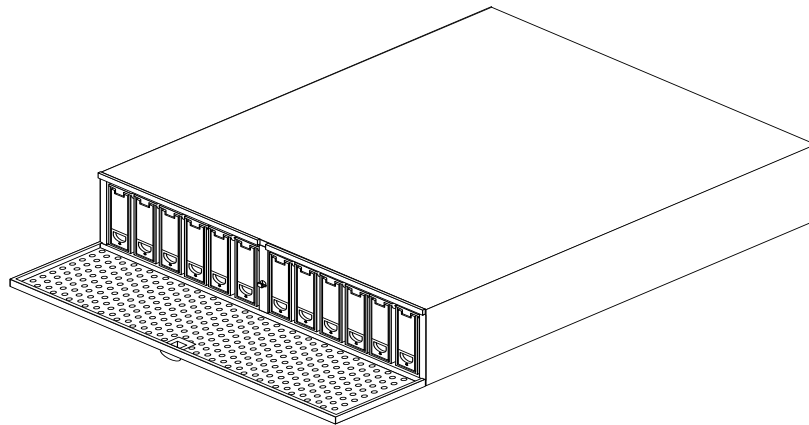
3x15 Configuration
Up to 4.3 TB disk capacity

StorEdge A3500/A3500FC Configuration Overview *(continued)*

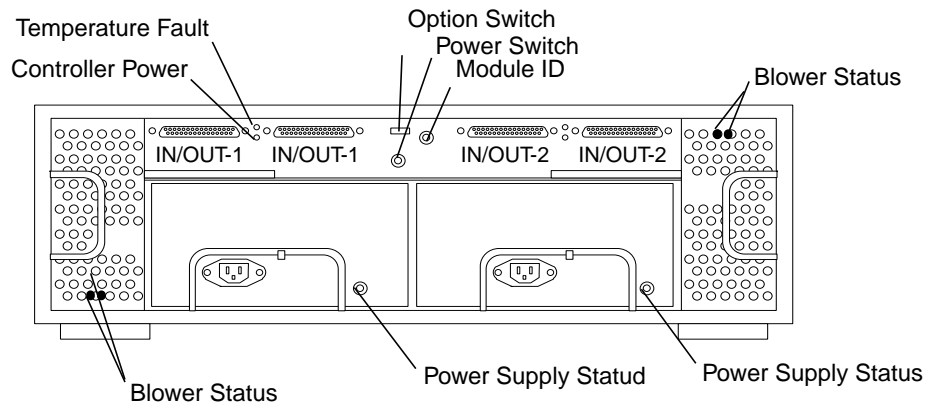
Controller Module



D1000 Disk Trays Front View



D1000 Disk Trays Rear View



StorEdge A3500 Support Matrix

Server Platform	Maximum number of StorEdge A3500 Controller Modules Single/Daisy Chain	Max Capacity 9.1-Gbyte, 18-Gbyte & 36-Gbyte Disks	
		Single	Daisy Chain
Sun Enterprise 10000/ HPC 10000	21/21	11,466GB/22,932GB/30,576GB	11,466GB/22,932GB/30,576GB
Sun Enterprise 6500/HPC 6500	21/36	11,466GB/22,932GB/30,576GB	19,656GB/39,312GB/52,416GB
Sun Enterprise 5500/HPC 5500	10/20	5,460GB/10,920GB/14,560GB	10,920GB/21,840GB/29,120GB
Sun Enterprise 4500/HPC 4500	10/20	5,460GB/10,920GB/14,560GB	10,920GB/21,840GB/29,120GB
Sun Enterprise 3500/HPC 3500	6/12	3,276GB/6,552GB/8,736GB	6,552GB/13,104GB/17,472GB
Sun Enterprise 6000/HPC 6000	21/36	11,466GB/22,932GB/30,576GB	19,656GB/39,312GB/52,416GB
Sun Enterprise 5000/HPC 5000	10/20	5,460GB/10,920GB/14,560GB	10,920GB/21,840GB/29,120GB
Sun Enterprise 4000/HPC 4000	10/20	5,460GB/10,920GB/14,560GB	10,920GB/21,840GB/29,120GB
Sun Enterprise 3000/HPC 3000	4/8	2,184GB/4,368GB/5,824GB	4,368GB/8,736GB/11,648GB
Sun Enterprise 450/HPC 450	3/4	1,638GB/3,276GB/4,368GB	2,184GB/4,368GB/5,824GB
Sun Enterprise 250	2/2	1,092GB/2,184GB/2,912GB	1,092GB/2,184GB/2,912GB
Sun Enterprise 2	2/4	1,092GB/2,184GB/2,912GB	2,184GB/4,368GB/5,824GB

StorEdge A3500FC Support Matrix

Server Platform	Maximum number of StorEdge A3500 Controller Modules Direct/Hub	Max Capacity 9.1-Gbyte, 18-Gbyte & 36-Gbyte Disks	
		Direct	Hub
Sun Enterprise 10000	21/34	11,466GB/22,932GB/30,576GB	18,564GB/37,128GB/49,504GB
Sun Enterprise 6500/6000	21/34	11,466GB/22,932GB/30,576GB	18,564GB/37,128GB/49,504GB
Sun Enterprise 5500/5000	10/34	5,460GB/10,920GB/14,560GB	18,564GB/37,128GB/49,504GB
Sun Enterprise 4500/4000	10/34	5,460GB/10,920GB/14,560GB	18,564GB/37,128GB/49,504GB
Sun Enterprise 3500	6/24	3,276GB/6,552GB/8,736GB	13,104GB/26,208GB/34,944GB
Sun Enterprise 3000	4/16	2,184GB/4,368GB/5,824GB	8,736GB/17,472GB/23,296GB
Sun Enterprise 450	3/12	1,638GB/3,276GB/4,368GB	6,552GB/13,104GB/17,472GB
Sun Enterprise 250	2/8	1,092GB/2,184GB/2,912GB	4,368GB/8,736GB/11,648GB
Sun Enterprise Ultra 80	2/8	1,092GB/2,184GB/2,912GB	4,368GB/8,736GB/11,648GB
Sun Enterprise Ultra 60	2/8	1,092GB/2,184GB/2,912GB	4,368GB/8,736GB/11,648GB

StorEdge A3500/A3500FC

Description	Order Number
StorEdge A3500/A35FC - Configure to Order Base Options (No controller, minimum capacity)	
91-GB Sun StorEdge A3500 (10x9.1GB, 10K RPM drives) with 5 trays mounted in StorEdge expansion cabinet, redundant fans, drives and power supplies	SG-ARY370A-91G
182-GB Sun StorEdge A3500 (20 x 9.1-GB, 10K-rpm drives) with 7 trays mounted in StorEdge expansion cabinet, redundant fans drives and power supplies	SG-ARY372A-182G
273-GB Sun StorEdge A3500 (30 x 9.1-GB, 10K-rpm drives) with 15 trays mounted in two StorEdge expansion cabinet, Redundant fans, drives and power supplies	SG-ARY374A-273G
182-GB Sun StorEdge A3500 (10x18GB, 10K-rpm drives) five disk trays mounted in a StorEdge expansion cabinet, redundant fans, drives and power supplies.	SG-ARY380A-182G
364-GB Sun StorEdge A3500 (20 x 18.2-GB, 10K-rpm drives), 7 disk trays mounted in a StorEdge expansion cabinet, redundant fans, drives and power supplies	SG-ARY382A-364G
546-GB Sun StorEdge A3500 (30 x 18.2-GB, 10K-rpm drives) fifteen disk trays mounted in two StorEdge expansion cabinets, redundant fans, drives and power supplies	SG-ARY384A-546G
364-GB Sun StorEdge A3500 (10 x 36.4-GB, 10K-rpm drives) with 5 trays mounted in StorEdge expansion cabinet, redundant fans drives and power supplies	SG-ARY381A-364G
728-GB Sun StorEdge A3500 (20 x 36.4-GB, 10K-rpm drives) with 7 trays mounted in StorEdge expansion cabinet, redundant fans, drives and power supplies	SG-ARY383A-728G
1092-GB Sun StorEdge A3500 (30 x 36.4-GB, 10K-rpm drives) with 15 trays mounted in two StorEdge expansion cabinets, redundant fans, drives and power supplies	SG-ARY385A-1092G

StorEdge A3500/A3500FC Compatibility Matrix

Description	Order Number	E/HPC 10000	E/HPC 3X/4X/ 5X/6X00	UE2/ U60/U80 E250/450
StorEdge A3500/A3500FC - Configure to Order Base Options (No controller, minimum capacity)				
91-GB Sun StorEdge A3500 (10x9.1GB, 10K RPM drives) with 5 trays mounted in StorEdge expansion cabinet, redundant fans, drives and power supplies	SG-ARY370A-91G ¹	✓	✓	✓
182-GB Sun StorEdge A3500 (20 x 9.1-GB, 10K-rpm drives) with 7 trays mounted in StorEdge expansion cabinet, redundant fans drives and power supplies	SG-ARY372A-182G ²	✓	✓	✓
273-GB Sun StorEdge A3500 (30 x 9.1-GB, 10K-rpm drives) with 15 trays mounted in two StorEdge expansion cabinet, Redundant fans, drives and power supplies	SG-ARY374A-273G ³	✓	✓	✓
182-GB Sun StorEdge A3500 (10x18GB, 10K-rpm drives) five disk trays mounted in a StorEdge expansion cabinet, redundant fans, drives and power supplies.	SG-ARY380A-182G ¹	✓	✓	✓
364-GB Sun StorEdge A3500 (20 x 18.2-GB, 10K-rpm drives), 7 disk trays mounted in a StorEdge expansion cabinet, redundant fans, drives and power supplies	SG-ARY382A-364G ²	✓	✓	✓
546-GB Sun StorEdge A3500 (30 x 18.2-GB, 10K-rpm drives) fifteen disk trays mounted in two StorEdge expansion cabinets, redundant fans, drives and power supplies	SG-ARY384A-546G ³	✓	✓	✓
364-GB Sun StorEdge A3500 (10 x 36.4-GB, 10K-rpm drives) with 5 trays mounted in StorEdge expansion cabinet, redundant fans drives and power supplies	SG-ARY381A-364G ¹	✓	✓	✓
728-GB Sun StorEdge A3500 (20 x 36.4-GB, 10K-rpm drives) with 7 trays mounted in StorEdge expansion cabinet, redundant fans, drives and power supplies	SG-ARY383A-728G ²	✓	✓	✓
1092-GB Sun StorEdge A3500 (30 x 36.4-GB, 10K-rpm drives) with 15 trays mounted in two StorEdge expansion cabinets, redundant fans, drives and power supplies	SG-ARY385A-1092G ³	✓	✓	✓

Ordering Notes

- Installing the StorEdge A3500 controller module into the Enterprise Expansion Cabinet may require a second power sequencer for redundant configuration.
- Two external power cords, per rack, must be ordered separately. Specify the appropriate US or International power cord (X)3858 for US or (X)3859 for International.

Footnotes

1. One controller module must be ordered (6537A or 6538A).
2. Two controller modules must be ordered (6537A or 6538A).
3. Three controller modules must be ordered (6537A or 6538A).

StorEdge A3500/A3500 Light

Description	Order Number
StorEdge A3500 - Complete Configuration (includes controller, maximum capacity)	
545-GB Sun StorEdge A3500 (60x9.1GB, 10K RPM drives) with USCSI host interface, 5 trays mounted in StorEdge expansion cabinet, two 12m USCSI cables, 1 USCSI controller module (2 controller cards), redundant fans drives and power Supplies	SG-XARY360A-545G
1092-GB Sun StorEdge A3500 (60 x 18.2-GB, 10K-rpm drives) with USCSI host interface, 5 trays mounted in StorEdge expansion cabinet, two 12m USCSI cables, 1 USCSI controller module (2 controller cards), redundant fans, drives and power supplies	SG-XARY380A-1092G
1456-GB Sun StorEdge A3500 (40 x 36.4-GB, 10K-rpm drives) with SCSI host interface, five disk trays mounted in a StorEdge expansion cabinet, two 12m USCSI cables, 1 USCSI controller module (2 controller cards ea.), redundant fans, drives and power supplies.	SG-XARY381A-1456G
<hr/>	
StorEdge A3500 Light	
72-GB Sun StorEdge A3500-Light (8x9.1GB, 10K RPM drives) w/2 trays, two 12m USCSI cables, one controller modules (2 controllers), redundant fans, drives and power supplies, and rackmount rails.	SG-XARY366A-72G

StorEdge A3500/A3500 Light Compatibility Matrix

Description	Order Number	E/HPC 10000	E/HPC 3X/4X/5X /6X00	UE2/ E250/450
StorEdge A3500- Complete Configuration (includes controller, maximum capacity)				
545-GB Sun StorEdge A3500 (60x9.1GB, 10K RPM drives) with USCSI host interface, 5 trays mounted in StorEdge expansion cabinet, two 12m USCSI cables, 1 USCSI controller module (2 controller cards), redundant fans drives and power Supplies	SG-XARY360A-545G ²	✓	✓	✓
1092-GB Sun StorEdge A3500 (60 x 18.2-GB, 10K-rpm drives) with USCSI host interface, 5 trays mounted in StorEdge expansion cabinet, two 12m USCSI cables, 1 USCSI controller module (2 controller cards), redundant fans, drives and power supplies	SG-XARY380A-1092G ²	✓	✓	✓
1456-GB Sun StorEdge A3500 (40 x 36.4-GB, 10K-rpm drives) with SCSI host interface, five disk trays mounted in a StorEdge expansion cabinet, two 12m USCSI cables, 1 USCSI controller module (2 controller cards ea.), redundant fans, drives and power supplies.	SG-XARY381A-1456G ²	✓	✓	✓
StorEdge A3500 Light				
72-GB Sun StorEdge A3500-Light (8x9.1GB, 10K RPM drives) w/2 trays, two 12m USCSI cables, one controller modules (2 controllers), redundant fans, drives and power supplies, and rackmount rails.	SG-XARY366A-72G ¹	✓	✓	✓

Ordering Notes

- Installing the StorEdge A3500 controller module into the Enterprise Expansion Cabinet may require a second power sequencer for redundant configuration.
- Two external power cords, per rack, must be ordered separately. Specify the appropriate US or International power cord (X)3858 for US or (X)3859 for International.

Footnotes

1. Remove the X from the order number and append R5 (e.g. SG-ARY366A-72GR5) to order factory installed in a StorEdge Expansion Cabinet.
2. Standard Configurations are Sun's recommended configurations.

StorEdge A3500FC

Description	Order Number
StorEdge A3500FC - Complete Configuration (includes controller, maximum capacity)	
545-GB Sun StorEdge A3500FC (60x9.1GB, 10K RPM drives) with FC-AL host interface, 5 trays mounted in StorEdge expansion cabinet, two 15m fibre cables, 1 FC-AL controller module (2 Controller cards), redundant fans, drives and power supplies	SG-XARY360B-545G
1092-GB Sun StorEdge A3500FC (60 x 18.2-GB, 10K-rpm drives) with FC-AL host interface, 5 trays mounted in StorEdge expansion cabinet, two 15m fibre cables, 1 FC-AL controller module (2 controller cards), redundant fans, drives and power supplies	SG-XARY380B-1092G
1456-GB Sun StorEdge A3500FC (40 x 36.4-GB, 10K-rpm drives) with FC-AL host interface, five disk trays mounted in a StorEdge expansion cabinet, two 15m fibre cables, 1 controller module (2 controller cards ea.), redundant fans, drives and power supplies.	SG-XARY381B-1456G

StorEdge A3500 Light Compatibility Matrix *(continued)*

Description	Order Number	E/HPC 10000	E/HPC 3X/4X/5X /6X00	U60/U80 E250/450
StorEdge A3500FC - Complete Configuration (includes controller, maximum capacity)				
545-GB Sun StorEdge A3500FC (60x9.1GB, 10K RPM drives) with FC-AL host interface, 5 trays mounted in StorEdge expansion cabinet, two 15m fibre cables, 1 FC-AL controller module (2 Controller cards), redundant fans, drives and power supplies	SG-XARY360B-545G	✓	✓	✓
1092-GB Sun StorEdge A3500FC (60 x 18.2-GB, 10K-rpm drives) with FC-AL host interface, 5 trays mounted in StorEdge expansion cabinet, two 15m fibre cables, 1 FC-AL controller module (2 controller cards), redundant fans, drives and power supplies	SG-XARY380B-1092G	✓	✓	✓
1456-GB Sun StorEdge A3500FC (40 x 36.4-GB, 10K-rpm drives) with FC-AL host interface, five disk trays mounted in a StorEdge expansion cabinet, two 15m fibre cables, 1 controller module (2 controller cards ea.), redundant fans, drives and power supplies.	SG-XARY381B-1456G	✓	✓	✓

Ordering Notes

- Installing the StorEdge A3500 controller module into the Enterprise Expansion Cabinet may require a second power sequencer for redundant configuration.
- Two external power cords, per rack, must be ordered separately. Specify the appropriate US or International power cord (X)3858 for US or (X)3859 for International.

StorEdge A3500/A3500FC Options

Description	Order Number
StorEdge A3500 and A3500FC Options	
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY147A-36G
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY154A-72G
145-Gbyte(4x36.4-Gbyte, 10K RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1Interface Card, 2 Power supplies 2 fantrays (4 fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY164A-145G
Internal 9.1-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5235A
Internal 18.2-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5238A
Internal 36.4-Gbyte, 10000 RPM UltraSCSI disk drive, 1.6" high w/ barrier plate	X5240A
Front door assembly for 72" expansion cabinet	X9818A
U.S./Canada power cord for 72" StorEdge expansion cabinet (NEMA L6-30P plug)	3858A
International power cord for 72" StorEdge expansion cabinet (IEC 309, 32A, 250V plug)	3859A
StorEdge A3500 Options	
Controller for the StorEdge A3500 Storage Subsystem, Rackmount w/ 128MB cache memory (supports the D1000 trays)	X6537A
Dual-channel differential UltraSCSI host adapter, PCI; includes two 2m SCSI cables	X6541A
SBus Ultra Differential F/W Intelligent SCSI Host Adapter.	X1065A
Country Kit Accessory Power User Workstation and SPARCserver Cable 12-meter Differential SCSI Cable	X979A
4-meter 68-pin to VHDC differential Ultra SCSI cable	X3830A
10-meter 68-pin to VHDC differential Ultra SCSI cable NOTE: This option is only to be used with (X)6541A Dual-channel differential UltraSCSI PCI host adapter.	X3831A
StorEdge A3500 64-Mbyte add-on Cache Memory, 2 required per controller module.	X7020A

StorEdge A3500/A3500FC Options Compatibility Matrix

Description	Order Number	E/ 10000	E3X/4 X/5X/ 6X00	E250/ E450	ENT 2	U60/ U80
StorEdge A3500 and A3500FC Options						
36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY147A-36G ¹	✓	✓	✓	✓	✓
72-Gbyte (4 x 18-Gbyte 10,000 RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1 Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY154A-72G ¹	✓	✓	✓	✓	✓
145-Gbyte(4x36.4-Gbyte, 10K RPM disks) Sun StorEdge D1000 for rack mounting in the StorEdge or Enterprise Expansion Racks w/1Interface Card, 2 Power supplies 2 fantrays (4 fans), 4 Differential UltraSCSI to host ports, and rackmount rails.	SG-XARY164A-145G ¹	✓	✓	✓	✓	✓
Internal 9.1-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5235A ²					
Internal 18.2-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5238A ²					
Internal 36.4-Gbyte, 10000 RPM UltraSCSI disk drive, 1.6" high w/ barrier plate	X5240A ²					
Front door assembly for 72" expansion cabinet	X9818A					
U.S./Canada power cord for 72" StorEdge expansion cabinet (NEMA L6-30P plug)	3858A					
International power cord for 72" StorEdge expansion cabinet (IEC 309, 32A, 250V plug)	3859A					
StorEdge A3500 Options						
Controller for the StorEdge A3500 Storage Subsystem, Rackmount w/ 128MB cache memory (supports the D1000 trays)	X6537A ²	✓	✓	✓	✓	
Dual-channel differential UltraSCSI host adapter, PCI; includes two 2m SCSI cables	X6541A			✓		
SBus Ultra Differential F/W Intelligent SCSI Host Adapter.	X1065A	✓	✓		✓	
Country Kit Accessory Power User Workstation and SPARCserver Cable 12-meter Differential SCSI Cable	X979A	✓	✓		✓	
4-meter 68-pin to VHDC differential Ultra SCSI cable	X3830A			✓		
10-meter 68-pin to VHDC differential Ultra SCSI cable NOTE: This option is only to be used with (X)6541A Dual-channel differential UltraSCSI PCI host adapter.	X3831A			✓		
StorEdge A3500 64-Mbyte add-on Cache Memory, 2 required per controller module.	X7020A					
<i>Note: The StorEdge A3500 is comprised of an A3500 controller and StorEdge D1000 trays.</i>						

Ordering Note

- Installing the StorEdge A3500 controller module into the Enterprise Expansion Cabinet may require a second power sequencer for redundant configuration.

Footnotes

- Remove the "X" and append R5 (i.e. SG-nnnnnnnn-nnGR5) for factory installation in the Sun StorEdge Expansion Cabinet.
- Remove the X (i.e. nnnnA) to order factory installed into A3500 base configuration.

StorEdge A3500/A3500FC Options *(continued)*

Description	Order Number
StorEdge A3500FC Options	
Fibre-channel controller module, rackmountable for the StorEdge A3500. Includes two controller cards each with 128MB mirrored cache memory. Supports D1000 disk trays.	X6538A
PCI FC-AL single-loop host adapter 100MB/s optical interface.	X6729A
FC-AL 100MB/sec Dual Channel SBus host adapter w/1 GBIC module	X6730A
FC-AL 100MB/s 7 slot hub w/ no GBIC modules	X6732A
Dual hub rack mount kit for A5000	X6735A
FC-AL 100MB/sec shortwave GBIC module	X6731A
2-meter Fibre Optic Cable	X973A
15-meter Fibre Optic Cable	X978A
StorEdge A3000 and A3500 Options	
A1000 & A3X00 storage arrays Volume Mgnt SW for NT-based systems. For any Pentium-class(max. 4 processor) system w/ up to 4 A1000's or A3x00' attached. Kit includes CD-ROM media and installation documentation. Requires either an Adaptec AHA2944 HBA or Sun PCI(X6541A) HBA.	ARRAYNT-6221-B

StorEdge A3500/A3500FC Options Compatibility Matrix

(continued)

Description	Order Number	E/ 10000	E3X/ 4/5X /6X00	E250/E 450	ENT 2	U60/ U80
StorEdge A3500FC Options						
Fibre-channel controller module, rackmountable for the StorEdge A3500. Includes two controller cards each with 128MB mirrored cache memory. Supports D1000 disk trays.	X6538A ¹	✓	✓	✓		✓
PCI FC-AL single-loop host adapter 100MB/s optical interface.	X6729A			✓		✓
FC-AL 100MB/sec Dual Channel SBus host adapter w/1 GBIC module	X6730A	✓	✓			
FC-AL 100MB/s 7 slot hub w/ no GBIC modules	X6732A					
Dual hub rack mount kit for A5000	X6735A					
FC-AL 100MB/sec shortwave GBIC module	X6731A					
2-meter Fibre Optic Cable	X973A					
15-meter Fibre Optic Cable	X978A					
StorEdge A3000 and A3500 Options						
A1000 & A3X00 storage arrays Volume Mgmt SW for NT-based systems. For any Pentium-class(max. 4 processor) system w/ up to 4 A1000's or A3x00' attached. Kit includes CD-ROM media and installation documentation. Requires either an Adaptec AHA2944 HBA or Sun PCI(X6541A) HBA.	ARRAYNT-6221-B					

Ordering Note

- Installing the StorEdge A3500 controller module into the Enterprise Expansion Cabinet may require a second power sequencer for redundant configuration.

Footnote

1. Remove the X (i.e. nnnnA) to order factory installed into A3500 base configuration.

StorEdge A3500 Light Options

Description	Order Number
StorEdge A3500 Light Options	
Internal 9.1-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5235A
Internal 18.2-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5238A
Internal 36.4-Gbyte, 10000 RPM UltraSCSI disk drive, 1.6" high w/ barrier plate	X5240A
Front door assembly for 72" expansion cabinet	X9818A
U.S./Canada power cord for 72" StorEdge expansion cabinet (NEMA L6-30P plug)	3858A
International power cord for 72" StorEdge expansion cabinet (IEC 309, 32A, 250V plug)	3859A
Dual-channel differential UltraSCSI host adapter, PCI; includes two 2m SCSI cables	X6541A
SBus Ultra Differential F/W Intelligent SCSI Host Adapter.	X1065A
Country Kit Accessory Power User Workstation and SPARCserver Cable 12-meter Differential SCSI Cable	X979A
4-meter 68-pin to VHDC differential Ultra SCSI cable	X3830A
10-meter 68-pin to VHDC differential Ultra SCSI cable NOTE: This option is only to be used with (X)6541A Dual-channel differential UltraSCSI PCI host adapter.	X3831A
StorEdge A3500 64-Mbyte add-on Cache Memory, 2 required per controller module.	X7020A
A1000 & A3X00 storage arrays Volume Mgmt SW for NT-based systems. For any Pentium-class(max. 4 processor) system w/ up to 4 A1000's or A3x00' attached. Kit includes CD-ROM media and installation documentation. Requires either an Adaptec AHA2944 HBA or Sun PCI(X6541A) HBA.	ARRAYNT-6221-B

StorEdge A3500 Light Options Compatibility Matrix *(continued)*

Description	Order Number	E/ 10000	E3X/ 4X/5X/ 6X00	E250/ E450	ENT2	U60/ U80
StorEdge A3500/A3500-Light Packaging Option						
Internal 9.1-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5235A ¹					
Internal 18.2-Gbyte, 10000 RPM UltraSCSI disk drive, 1" high w/ barrier plate	X5238A ¹					
Internal 36.4-Gbyte, 10000 RPM UltraSCSI disk drive, 1.6" high w/ barrier plate	X5240A ¹					
Front door assembly for 72" expansion cabinet	X9818A					
U.S./Canada power cord for 72" StorEdge expansion cabinet (NEMA L6-30P plug)	3858A					
International power cord for 72" StorEdge expansion cabinet (IEC 309, 32A, 250V plug)	3859A					
Dual-channel differential UltraSCSI host adapter, PCI; includes two 2m SCSI cables	X6541A			✓		
SBus Ultra Differential F/W Intelligent SCSI Host Adapter.	X1065A	✓	✓		✓	
Country Kit Accessory Power User Workstation and SPARCserver Cable 12-meter Differential SCSI Cable	X979A	✓	✓		✓	
4-meter 68-pin to VHDC differential Ultra SCSI cable	X3830A			✓		
10-meter 68-pin to VHDC differential Ultra SCSI cable NOTE: This option is only to be used with (X)6541A Dual-channel differential UltraSCSI PCI host adapter.	X3831A			✓		
StorEdge A3500 64-Mbyte add-on Cache Memory, 2 required per controller module.	X7020A					
A1000 & A3X00 storage arrays Volume Mgmt SW for NT-based systems. For any Pentium-class(max. 4 processor) system w/ up to 4 A1000's or A3x00' attached. Kit includes CD-ROM media and installation documentation. Requires either an Adaptec AHA2944 HBA or Sun PCI(X6541A) HBA.	ARRAYNT-6221-B					

Ordering Note

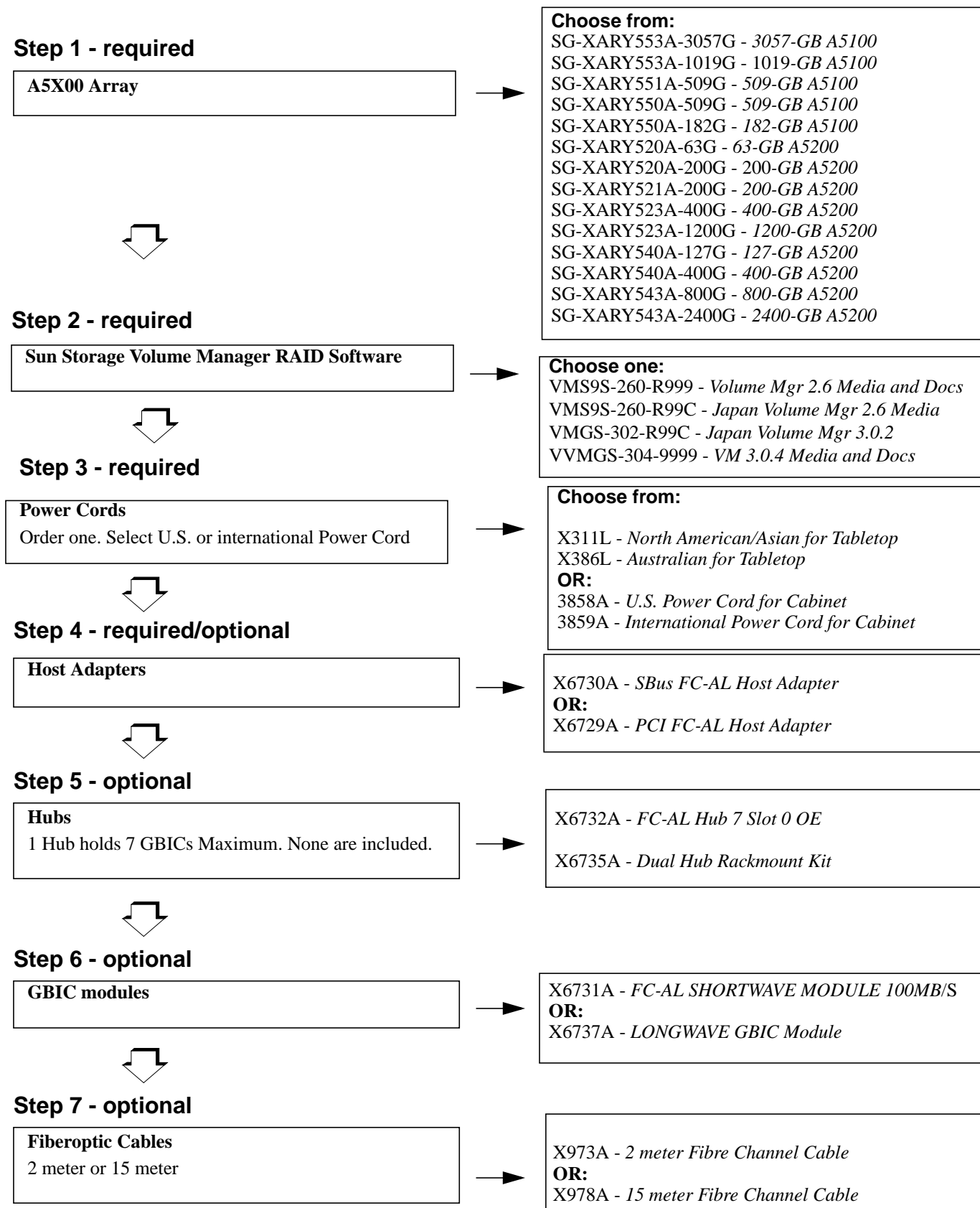
- *Installing the StorEdge A3500 controller module into the Enterprise Expansion Cabinet may require a second power sequencer for redundant configuration.*

Footnote

1. *Remove the X (i.e. nnnnA) to order factory installed into A3500 base configuration.*

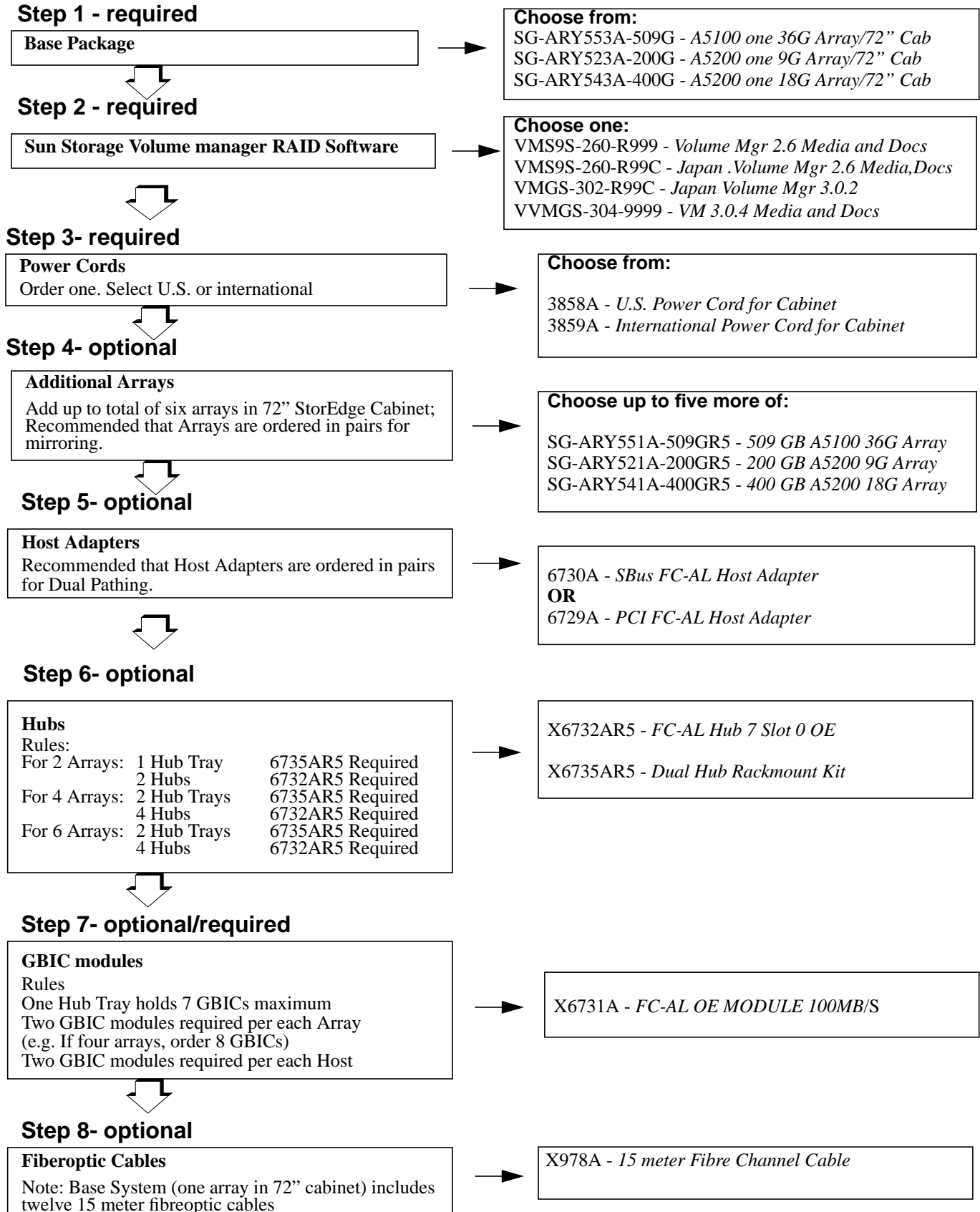
StorEdge A5X00 Ordering Flow Chart - Stand Alone Models

Each step represents a **required/recommended** line item on a Sales Order



StorEdge A5X00 Ordering Flow Chart - Factory Configured Cabs

Each step represents a **required/recommended** line item on a Sales Order



StorEdge A5X00 Configuration Guidelines

General Comments

- The Sun StorEdge A5100 and A5200 disk arrays are mass storage subsystems using network technology and gigabit FC-AL to create high performance, high availability storage networks. The enclosure is designed to be mounted in a standard Sun expansion cabinet or stand alone.
- The choices when configuring the Sun StorEdge A5X00 should be application driven. 3 factors are balanced in determining the configuration: availability, performance and price. When configuring for availability, data and hardware redundancy are key. The choice of RAID method determines the level of data redundancy. Mirroring (RAID 1) is best for availability in mission-critical applications and the only certain solution for disaster tolerance. When configuring for performance, the best benchmark is your application. Striping (RAID 0 + 1) is the largest performance booster.

Host Adapter (X)6730A/R4 SBus or (X)6729A PCI

- The SBus FC-AL host adapter supports two loops. One GBIC optical module is included on each adapter. Additional GBICs must be ordered if required. Adding a second host adapter card can improve performance and offers dual channel availability.
- The PCI FC-AL host adapter supports a single loop. One optical module is fixed to the adapter.

Hub X6732A/R4/R5

- FC-AL hubs simplify the cabling of multiple hosts or arrays. Each hub supports up to 7 ports on one loop. Cabling through a hub ensures that single or multiple disk array failures will not impact other devices on a loop. Dual hubs require four additional GBICs over daisy-chain configurations. The FC-AL hubs include no GBICs, so they must be ordered according to your configuration. Configure up to 3 A5200 arrays per hub or up to 4 A5100 arrays per loop.
- Cabinet configurations are complete cabled.

Short Wave GBIC (X)6731A/R4/R5

- The Gigabit Interface Converter (GBIC) is an opto-electronic device which converts electrical signals to optical. One GBIC is included on each host adapter and interface board. Hubs include no GBICs.

Long Wave GBIC (Extended Connectivity) - X6737A

- The Long Wave Gigabit Interface Converter (Long Wave GBIC) module provides flexible and scalable remote mirroring solutions to mission-critical Enterprise and Storage customers. The Long Wave GBIC module allows customers to extend connections between Sun servers and storage up to a distance of 10 kilometers. It also enables customers to mirror over long distances for disaster recovery, or to install campus clustering. Service Installation is required and is included for free within the purchase.

Enterprise Volume Manager

- Sun Enterprise Volume Manager is included with the Sun StorEdge A5X00. Must be ordered separately.
- The A5X00 array is the right-to-use license. Media and documentation included.

Fiber Optic Cables X973A, X978A

- 2 meter (X973A) 50 micrometer fiber optic cables are included with the standalone array configurations. 15 meter (X978A) cables are included with the rackmounted arrays. 500 meters is the maximum cable length.

StorEdge A5X00 Configuration Guidelines *(continued)*

StorEdge Expansion Cabinet SG-XARY030A

- This 72" cabinet accommodates up to 6 A5000 arrays and up to 4 hubs. When configuring the A5000 it is mandatory to add the front door (X9818A) and fan assembly (X9819A). Factory configured racks include these options. No other storage devices may be mixed with the A5X00 in the StorEdge cabinet. Factory configurations feature configuration and installation quality.

Fast Write Cache X6745A/X6739A

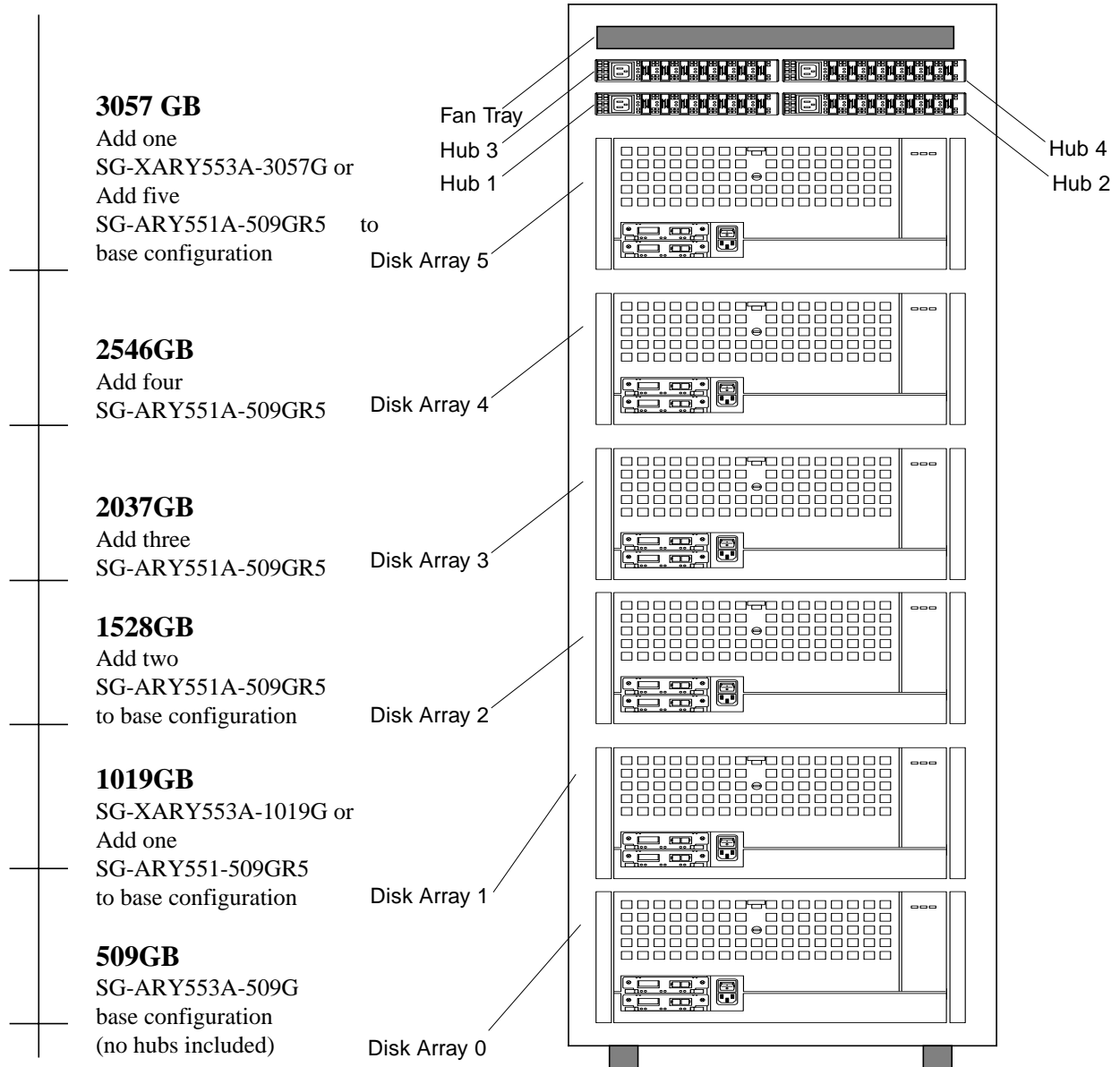
- Sun StorEdge Fast Write Cache, is a host-based write accelerator for the Sun StorEdge A5X00 product family. The Fast Write Cache improves the performance of write-intensive applications and delivers faster response times to user requests for data. The Fast Write Cache is installed in Solaris(TM) servers (Sun Enterprise(TM) 3X00 to Sun Enterprise 6X00) and consists of redundant non-volatile memory (NVRAM) cache boards and cache management software. Requires Sun Enterprise Service installation.

StorEdge A5X00 Sample Configurations

<i>Quantity</i>	<i>Base System + Options Order Number</i>	<i>Description</i>
Single A5100 Array for a single server, highest capacity		
1	SG-XARY530A-254G	254-Gbyte (14 x 18.2-Gbyte/7200 RPM) Sun StorEdge A5100 with 2 x 2 meter fiber optic cables included
2	X6730A	SBus FC-AL Host Adapter (1 GBIC included in each)
1	VMS9S-260-R999	Sun StorEdge Volume Manager 2.6 media and documentation
Dual A5200 Arrays for dual servers, mirrored, highest performance		
2	SG-XARY520A-200G	200-Gbyte (22 x 9.1-Gbyte/10000 RPM) Sun StorEdge A5200 with 2 x 2 meter fiber optic cables included
4	X6730A	SBus FC-AL Host Adapter (2 for each host, dual loops)
2	X973A	2 meter fiber optic cables (2 extra cables for second host)
4	X6731A	GBIC optical modules (2 for each array)
2	VMS9S-260-R999	Sun StorEdge Volume Manager 2.6 media and documentation
1200GB A5200 Array StorEdge Expansion Cabinet for single server, mirrored, highest performance		
1	SG-XARY523A-1200G	1200-Gbyte Sun StorEdge A5200 includes 6 200GB Arrays (132 drives total) and 4 FC-AL hubs (3 GBICS in each) mounted in 72" StorEdge Expansion Cabinet with 4 x 15 meter fiber optic cables included
4	X6730A	SBus FC-AL Host Adapter (1 GBIC on each)
3	VMS9S-260-R999	Sun StorEdge Volume Manager 2.6 media and documentation
2	X3858A	U.S. Powercords
3057GB A5100 Array StorEdge Expansion Cabinet, for single server, mirrored, lowest cost/MB		
1	SG-ARY533A-1528G	1528-GB Sun StorEdge A5100 includes 6 254-GB Arrays (84 drives total) and 4FC-AL hubs (3 GBICs each) mounted in StorEdge 72" expansion cabinet with 4 x 15 meter fiber optic cables
4	X6730A	SBus FC-AL host adapter (1GBIC each)
3	VMS9S-260-R999	Sun StorEdge Volume Manager 2.6 media and documentation
2	X3858A	U.S. Powercords

StorEdge A5100 Configuration Overview

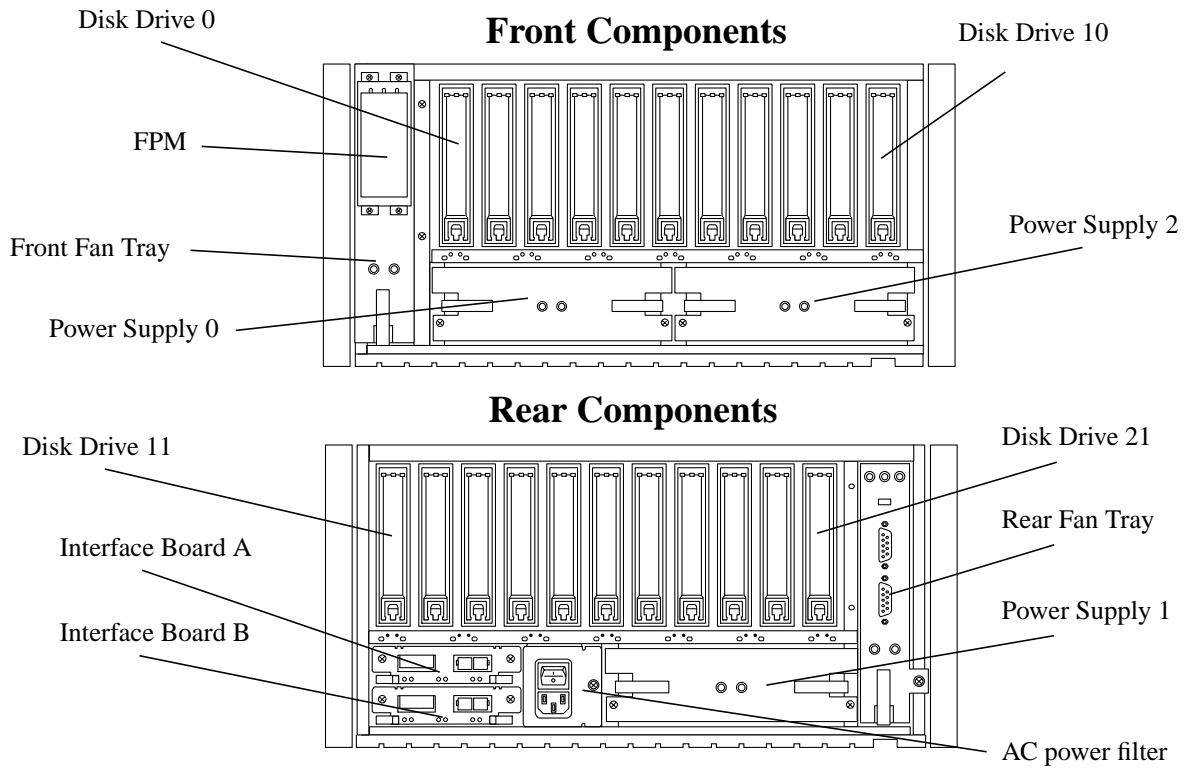
A5100 Rack Mounting 72-inch StorEdge Expansion Cabinet



Order 2 power cords: X3858A U.S.
X3859A International

Order Volume Manager: VMS9S-260-R999

StorEdge A5X00 Configuration Overview *(continued)*



StorEdge A5X00 Support Matrix

System	A5100 - 36GB Model	
	Maximum Sun StorEdge A5100	Maximum supported Storage Capacity
Sun Enterprise 10000	80	30 TB (per domain)
Sun Enterprise 6X00	72	30 TB
Sun Enterprise 5X00	48	24.4 TB
Sun Enterprise 4X00	48	24.4 TB
Sun Enterprise 3X00	24	12.2 TB
SPARCcenter 2000E	72	18.3 TB
SPARCserver 1000E	8	2 TB
Sun Enterprise 450	8	4 TB
Sun Enterprise 250	4	2 TB
Sun Enterprise 2	16	6.4 TB
Sun Ultra 60	2	178 GB
Windows NT Server 4.0	4	1 TB

System	A5200 - 9 GB Model		A5200- 18 GB Model	
	Maximum Sun StorEdge A5200	Maximum supported Storage Capacity	Maximum Sun StorEdge A5200	Maximum supported Storage Capacity
Sun Enterprise 10000	80	30 TB (per domain)	80	30 TB (per domain)
Sun Enterprise 6X00	72	14.4 TB	72	28.8 TB
Sun Enterprise 5X00	48	9.6 TB	48	19.2 TB
Sun Enterprise 4X00	48	9.6 TB	48	19.2 TB
Sun Enterprise 3X00	24	4.8 TB	24	9.6 TB
SPARCcenter 2000E	72	18.3 TB	N/A	N/A
SPARCserver 1000E	8	2 TB	N/A	N/A
Sun Enterprise 450	8	1.6 TB	N/A	N/A
Sun Enterprise 250	4	800 GB	N/A	N/A
Sun Enterprise 2	16	3.2 TB	16	6.4 TB
Sun Ultra 60	2	400 GB	N/A	N/A
Windows NT Server 4.0	4	800 GB	N/A	N/A

Maximum Capacities on the Sun Enterprise 10000 are stated per domain.

Maximum Capacities on the Sun Enterprise 3/4/5/6X00 are stated per standalone array subsystem.

Windows NT Server 4.0 requires Service Pack III and A5000-NT4-B software installation kit.

StorEdge A5100 - 36GB Model

Description	Order Number
StorEdge A5100 Tabletop	
182-Gbyte Sun StorEdge A5100 Tabletop (5 x 36.4-GB, 10000rpm half-height FC-AL drives), includes 3 power supplies, 2 interface boards (1 GBIC each), and 2 meter fiber optic cables	SG-XARY550A-182G
509.6-Gbyte Sun StorEdge A5100 Tabletop (14 x 36.4-GB, 10000rpm half-height FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each), and 2 meter fibre optic cables	SG-XARY550A-509G

StorEdge A5100 Cabinet

1019.2-Gbyte Sun StorEdge A5100 Cabinet, including two 509.6-GByte arrays (14 x 36.4-GByte 1.625" half-height 10000rpm FC-AL drives) including 2 hubs with 3 GBICs each, 2 15 meter fiber optic cables mounted in 72" StorEdge expansion cabinet. Fans and door included.	SG-XARY553A-1019G
3057.6-Gbyte Sun StorEdge A5100 Cabinet with six 509.6-GByte arrays (14 x 36.4-GByte 1.625" 10000rpm FC-AL drives), 4 hubs with 4 GBICs each, 2 15 meter fiber optic cables mounted in 72" StorEdge expansion cabinet. Fans and door included.	SG-XARY553A-3057G

StorEdge A5100 Factory Configured Hubless Option

509.6-Gbyte Sun StorEdge A5100 hubless version, includes one 509-GByte array (w/14*36.4-Gbyte 10000rpm FC-AL drives), twelve 15 meter fiber optic cables, mounted in 72" Sun StorEdge Expansion Cabinet (no hubs included).	SG-ARY553A-509G
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StorEdge A5100 - 36GB Model Compatibility Matrix

Description	Order Number	U60	E2	E250	E450	E3X00	E4X00	E5X00	E6X00	E
										10000
StorEdge A5100 Tabletop										
182-Gbyte Sun StorEdge A5100 Tabletop (5 x 36.4-GB, 10000rpm half-height FC-AL drives), includes 3 power supplies, 2 interface boards (1 GBIC each), and 2 meter fiber optic cables	SG-XARY550A-182G ^{1,3}	2	16	4	8	6	12	18	18	-
509.6-Gbyte Sun StorEdge A5100 Tabletop (14 x 36.4-GB, 10000rpm half-height FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each), and 2 meter fibre optic cables	SG-XARY550A-509G ^{1,3,5}	2	16	4	8	6	12	18	18	-
StorEdge A5100 Cabinet										
1019.2-Gbyte Sun StorEdge A5100 Cabinet, including two 509.6-GByte arrays (14 x 36.4-GByte 1.625" half-height 10000rpm FC-AL drives) including 2 hubs with 3 GBICs each, 2 15 meter fiber optic cables mounted in 72" StorEdge expansion cabinet. Fans and door included.	SG-XARY553A-1019G ^{1,2,3}	0	2	0	2	24	48	72	72	19 ⁴
3057.6-Gbyte Sun StorEdge A5100 Cabinet with six 509.6-GByte arrays (14 x 36.4-GByte 1.625" 10000rpm FC-AL drives), 4 hubs with 4 GBICs each, 2 15 meter fiber optic cables mounted in 72" StorEdge expansion cabinet. Fans and door included.	SG-XARY553A-3057G ^{1,2,3,5}	0	2	0	2	24	48	72	72	19 ⁴
StorEdge A5100 Factory Configured Hubless Option										
509.6-Gbyte Sun StorEdge A5100 hubless version, includes one 509-GByte array (w/14*36.4-Gbyte 10000rpm FC-AL drives), twelve 15 meter fiber optic cables, mounted in 72" Sun StorEdge Expansion Cabinet (no hubs included).	SG-ARY553A-509G ^{1,3}	2	16	4	8	24	48	72	72	40 ⁴

Footnotes

1. Specify the appropriate U.S. or International power cord.
2. Delete "X" before order number (e.g. SG-ARYnnnA) to order as factory-installed with Enterprise Servers.
3. Specify the desired version of Sun StorEdge Volume Manager.
4. Per domain.
5. Standard Configurations are Sun's recommended configurations.

StorEdge A5100 - 36GB Model *(continued)*

Description	Order Number
StorEdge A5100 Rackmountable Options	
509.6-Gbyte Sun StorEdge A5100 Rackmountable Array (14 x 36.4-GB, half-height FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each), and 2 meter fibre optic cables. Rackmounting kit installed for adding to 72" Sun StorEdge Expansion Cabinet.	SG-XARY551A-509G
509.6-Gbyte Sun StorEdge A5100 Rackmountable Array (14 x 36.4-GB, 10000rpm half-height FC-AL drives) includes 3 power supplies, 2 interface boards (1 GBIC each), two 2-meter fiber optic cables. Rackmounting kit installed for mounting in 68" Enterprise system cabinet.	SG-XARY552A-509G

StorEdge A5100 Compatibility Matrix *(continued)*

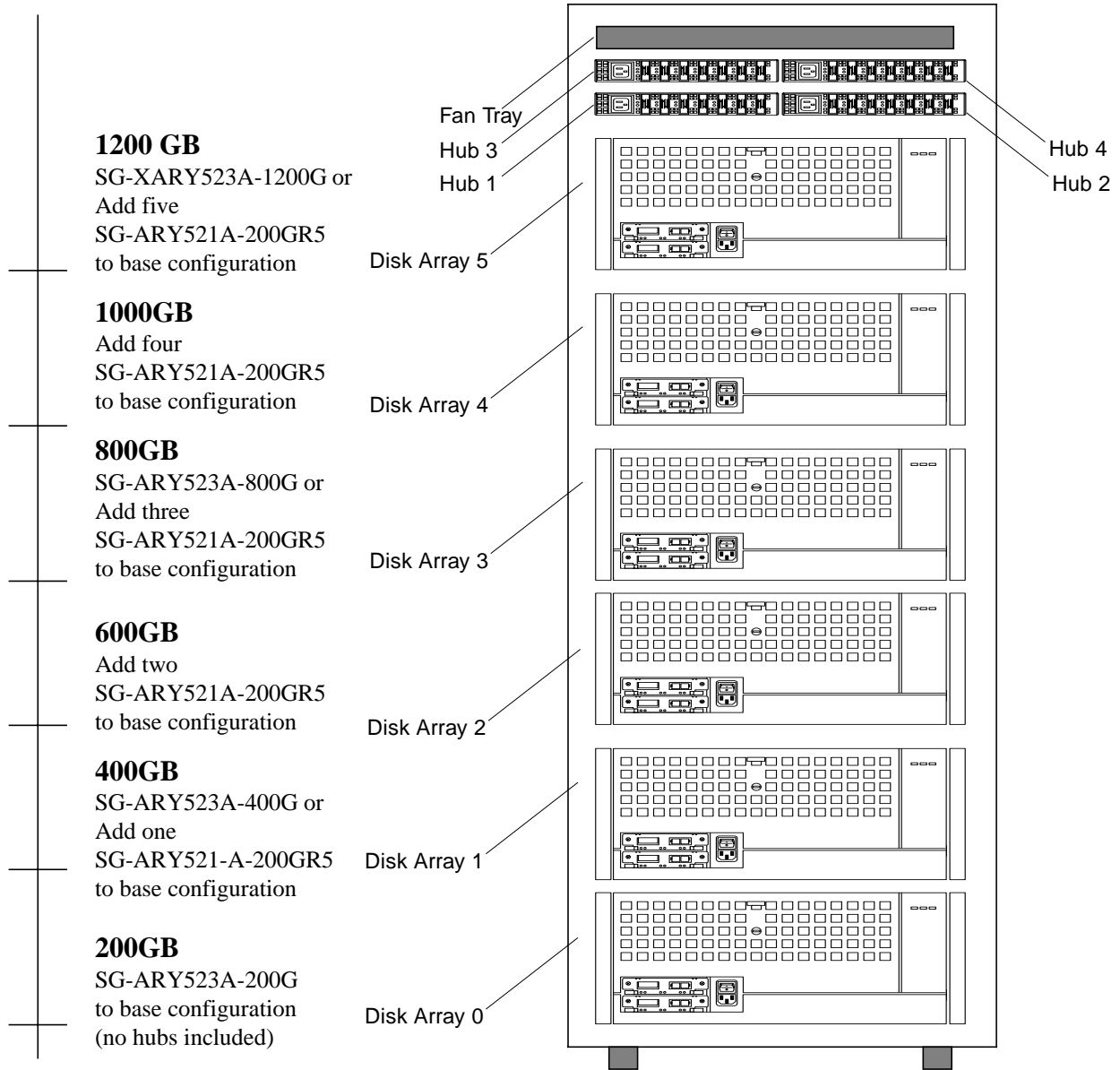
Description	Order Number	U60	E2	E250	E450	E3X00	E4X00 E5X00	E6X00	E 10000	
StorEdge A5100 Rackmountable Options										
509.6-Gbyte Sun StorEdge A5100 Rackmountable Array (14 x 36.4-GB, half-height FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each), and 2 meter fibre optic cables. Rackmounting kit installed for adding to 72" Sun StorEdge Expansion Cabinet.	SG-XARY551A-509G ^{1,2,3,5,6}	2	16	4	8	24	48	72	-	
509.6-Gbyte Sun StorEdge A5100 Rackmountable Array (14 x 36.4-GB, 10000rpm half-height FC-AL drives) includes 3 power supplies, 2 interface boards (1 GBIC each), two 2-meter fiber optic cables. Rackmounting kit installed for mounting in 68" Enterprise system cabinet.	SG-XARY552A-509G ^{1,2,4}	2	16	4	8	24	48	72	-	

Footnotes

1. Specify the appropriate U.S. or International power cord.
2. Delete "X" before order number (e.g. SG-ARYnnnA) to order as factory-installed with Enterprise Servers.
3. Append "R5" to the order number (e.g. nnnAR5) and delete the "X" for factory install in a 72" StorEdge Exp Cabinet.
4. Append "R4" to the order number (e.g. nnnAR4) for factory installation in the Enterprise System Cabinet.
5. This part does not include installation, it must be purchased separately.
6. Standard Configurations are Sun's recommended configurations.

StorEdge A5200 Configuration Overview - 9GB Model

A5200 Rack Mounting 72-inch StorEdge Expansion Cabinet



1200 GB
 SG-XARY523A-1200G or
 Add five
 SG-ARY521A-200GR5
 to base configuration

1000GB
 Add four
 SG-ARY521A-200GR5
 to base configuration

800GB
 SG-ARY523A-800G or
 Add three
 SG-ARY521A-200GR5
 to base configuration

600GB
 Add two
 SG-ARY521A-200GR5
 to base configuration

400GB
 SG-ARY523A-400G or
 Add one
 SG-ARY521-A-200GR5
 to base configuration

200GB
 SG-ARY523A-200G
 to base configuration
 (no hubs included)

Order 2 power cords: X3858A U.S.
 X3859A International

Order Volume Manager: VMS9S-260-R999

StorEdge A5200 - 9GB Model

Description	Order Number
StorEdge A5200 Tabletop	
63.7-Gbyte Sun StorEdge A5200 (7 x 9.1GB, 10,000rpm low profile FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables	SG-XARY520A-63G
200.2-Gbyte Sun StorEdge A5200 (22 x 9.1GB, 10,000rpm low profile FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables	SG-XARY520A-200G
StorEdge A5200 Cabinet	
400.4-Gbyte Sun StorEdge A5200 including two 200.2-GByte arrays (22 9.1-GByte low profile 10,000rpm FC-AL drives), 2 hubs with 3 GBICs each, 2 15 meter fiber optic cables mounted in 72" StorEdge expansion cabinet, Fans and door included.	SG-XARY523A-400G
1201.2-Gbyte Sun StorEdge A5200 including six 200.2-GByte arrays (22 9.1-GByte low profile 10000rpm FC-AL drives), 4 hubs with 4 GBICs each, 4 15 meter fiber optic cables mounted in 72" StorEdge expansion cabinet. Fans and door included.	SG-XARY523A-1200G
StorEdge A5200 Factory Configured Hubless Options	
200-Gbyte Sun StorEdge A5200 hubless version, includes one 200.2-GByte array (w/ 22*9.1-Gbyte 10000rpm FC-AL drives), and 12 15 meter fibre optic cables, mounted in 72" StorEdge Expansion cabinet (no hubs included).	SG-ARY523A-200G
StorEdge A5200 Rackmountable Options	
200.2-Gbyte Sun StorEdge A5200 (22 x 9.1GB, 10000rpm low profile FC-AL drives) 3 power supplies, two interface boards (1 GBIC each), two 2 meter fiber optic cables with rackmounting kit installed for StorEdge Expansion Cabinet	SG-XARY521A-200G
200.2-Gbyte Sun StorEdge A5200 (22 x 9.1GB, 10000rpm low profile FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each), and two 2 meter fiber optic cables with rackmounting kit installed for factory configuration into Enterprise System Cabinet	SG-ARY522A-200G

StorEdge A5200 - 9GB Model Compatibility Matrix

Description	Order Number	U60	E2	E 250	E 450	E 3X00	E4X00 E5X00	E 6X00	E 10000
StorEdge A5200 Tabletop									
63.7-Gbyte Sun StorEdge A5200 (7 x 9.1GB, 10,000rpm low profile FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables	SG-XARY520A-63G ^{1,6}	2	16	4	8	24	48	72	-
200.2-Gbyte Sun StorEdge A5200 (22 x 9.1GB, 10,000rpm low profile FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables	SG-XARY520A-200G ^{1,6,9}	2	16	4	8	24	48	72	-
StorEdge A5200 Cabinet									
400.4-Gbyte Sun StorEdge A5200 including two 200.2-GByte arrays (22 9.1-GByte low profile 10,000rpm FC-AL drives), 2 hubs with 3 GBICs each, 2 15 meter fiber optic cables mounted in 72" StorEdge expansion cabinet, Fans and door included.	SG-XARY523A-400G ^{1,2,6}	0	2	0	4	6	12	18	25 ⁷
1201.2-Gbyte Sun StorEdge A5200 including six 200.2-GByte arrays (22 9.1-GByte low profile 10000rpm FC-AL drives), 4 hubs with 4 GBICs each, 4 15 meter fiber optic cables mounted in 72" StorEdge expansion cabinet. Fans and door included.	SG-XARY523A-1200G ^{1,2,6,9}	0	2	0	2	4	6	9	8 ⁷
StorEdge A5200 Factory Configured Hubless Options									
200-Gbyte Sun StorEdge A5200 hubless version, includes one 200.2-GByte array (w/ 22*9.1-Gbyte 10000rpm FC-AL drives), and 12 15 meter fibre optic cables, mounted in 72" StorEdge Expansion cabinet (no hubs included).	SG-ARY523A-200G ^{1,6}								50 ⁷
StorEdge A5200 Rackmountable Options									
200.2-Gbyte Sun StorEdge A5200 (22 x 9.1GB, 10000rpm low profile FC-AL drives) 3 power supplies, two interface boards (1 GBIC each), two 2 meter fiber optic cables with rackmounting kit installed for StorEdge Expansion Cabinet	SG-XARY521A-200G ^{1,4,8,9}	2	16	4	8	24	48	72	50 ⁷
200.2-Gbyte Sun StorEdge A5200 (22 x 9.1GB, 10000rpm low profile FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each), and two 2 meter fiber optic cables with rackmounting kit installed for factory configuration into Enterprise System Cabinet	SG-ARY522A-200G ^{1,3,5}	2	16	4	8	24	48	72	50 ⁷

Footnotes

1. Specify the appropriate U.S. or International power cord.
2. Delete X (e.g. SG-ARY523A-400G) before the order number for factory configuration with Sun Enterprise E10000.
3. Add "X" before the order number (e.g., XnnnA) to order as a standalone option for existing systems.
4. Append "R5" to the order number (e.g. nnnAR5) and delete the "X" for factory installation in the 72" StorEdge Expansion Cabinet.
5. Append "R4" to the order number (e.g. nnnAR4) for factory installation in the Enterprise System Cabinet.
6. Specify the desired version of Sun StorEdge Volume Manager.
7. Per domain.
8. This part does not include installation, it must be purchased separately.
9. Standard Configurations are Sun's recommended configurations.

StorEdge A5200 - 18GB Model

Description	Order Number
StorEdge A5200 Tabletop	
127-Gbyte Sun StorEdge A5200 Table Top Array (7 x 18.2GB, 10,000rpm low profile FC-AL drives), includes 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables	SG-XARY540A-127G
400-Gbyte Sun StorEdge A5200 Table Top Array (22 x 18.2GB, 10,000rpm low profile FC-AL drives), includes 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables	SG-XARY540A-400G
StorEdge A5200 Cabinet	
800-Gbyte Sun StorEdge A5200 Cabinet, including two 400.4-GByte arrays (22 * 18.2-GByte low profile 10,000rpm FC-AL drives), 2 hubs, with 3 GBICs each, 2 15 meter fibre optic cables mounted in 72" Sun StorEdge expansion cabinet. Fans and door included.	SG-XARY543A-800G
2402-Gbyte Sun StorEdge A5200 Cabinet, including six 400.4-GByte arrays (22 x 18.2-GByte low profile 10000rpm FC-AL drives), 4 hubs with 4 GBICs each, 4 15 meter fiber optic cables, mounted in 72" StorEdge expansion cabinet. Fans and door included.	SG-XARY543A-2400G
StorEdge A5200 Factory Configured Hubless Options	
400-Gbyte Sun StorEdge A5200 hubless version, includes one 400.4-GByte array (w/ 22*18.2-Gbyte 10000rpm FC-AL drives), twelve 15 meter fibre optic cables, mounted in 72" StorEdge Expansion cabinet (no hubs included). Factory Configuration only.	SG-ARY543A-400G
StorEdge A5200 Rackmountable Options	
400-Gbyte Sun StorEdge A5200 Rackmountable Array (22 x 18.2GB, 10000rpm low profile FC-AL drives) 3 power supplies, two interface boards (1 GBIC each), two 2 meter fiber optic cables with rack mounting kit installed for StorEdge 72" Expansion Cabinet	SG-XARY541A-400G
400-Gbyte Sun StorEdge A5200 Rackmountable Array (22 x 18.2-GB, 10000rpm low profile FC-AL drives) includes 3 power supplies, two interface boards (1 GBIC each), and two 2 meter fiber optic cables. Rackmounting kit installed for 68" Enterprise System Cabinet.	SG-XARY542A-400G

StorEdge A5200 18GB Model Compatibility Matrix

Description	Order Number	U60	E2	E 250	E 450	E 3X00	E4X00 E5X00	E 6X00	E 10000
StorEdge A5200 Tabletop									
127-Gbyte Sun StorEdge A5200 Table Top Array (7 x 18.2GB, 10,000rpm low profile FC-AL drives), includes 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables	SG-XARY540A-127G ^{1,5}	2	16	4	8	24	48	72	-
400-Gbyte Sun StorEdge A5200 Table Top Array (22 x 18.2GB, 10,000rpm low profile FC-AL drives), includes 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables	SG-XARY540A-400G ^{1,5,9}	2	16	4	8	24	48	72	-
StorEdge A5200 Cabinet									
800-Gbyte Sun StorEdge A5200 Cabinet, including two 400.4-GByte arrays (22 * 18.2-GByte low profile 10,000rpm FC-AL drives), 2 hubs, with 3 GBICs each, 2 15 meter fibre optic cables mounted in 72" Sun StorEdge expansion cabinet. Fans and door included.	SG-XARY543A-800G ^{1,2,5}	0	2	0	4	6	12	18	25 ⁶
2402-Gbyte Sun StorEdge A5200 Cabinet, including six 400.4-GByte arrays (22 x 18.2-GByte low profile 10000rpm FC-AL drives), 4 hubs with 4 GBICs each, 4 15 meter fiber optic cables, mounted in 72" StorEdge expansion cabinet. Fans and door included.	SG-XARY543A-2400G ^{1,2,5,9}	0	2	0	4	6	12	18	25 ⁶
StorEdge A5200 Factory Configured Hubless Options									
400-Gbyte Sun StorEdge A5200 hubless version, includes one 400.4-GByte array (w/ 22*18.2-Gbyte 10000rpm FC-AL drives), twelve 15 meter fibre optic cables, mounted in 72" StorEdge Expansion cabinet (no hubs included). Factory Configuration only.	SG-ARY543A-400G ^{1,5}								50 ⁶
StorEdge A5200 Rackmountable Options									
400-Gbyte Sun StorEdge A5200 Rackmountable Array (22 x 18.2GB, 10000rpm low profile FC-AL drives) 3 power supplies, two interface boards (1 GBIC each), two 2 meter fiber optic cables with rack mounting kit installed for StorEdge 72" Expansion Cabinet	SG-XARY541A-400G ^{1,4,8,9}	2	16	4	8	24	48	72	50 ⁶
400-Gbyte Sun StorEdge A5200 Rackmountable Array (22 x 18.2-GB, 10000rpm low profile FC-AL drives) includes 3 power supplies, two interface boards (1 GBIC each), and two 2 meter fiber optic cables. Rackmounting kit installed for 68" Enterprise System Cabinet.	SG-XARY542A-400G ^{1,7}	2	16	4	8	24	48	72	50 ⁶

Footnotes

1. Specify the appropriate U.S. or International power cord.
2. Delete X (e.g. SG-ARY523A-400G) before the order number for factory configuration with Sun Enterprise E10000.
3. Add "X" before the order number (e.g., XnnnA) to order as a standalone option for existing systems.
4. Append "R5" to the order number (e.g. nnnAR5) and delete the "X" for factory installation in the 72" StorEdge Expansion Cabinet.
5. Specify the desired version of Sun StorEdge Volume Manager.
6. Per domain.
7. Append "R4" to the order number (e.g. nnnAR4) for factory installation in the Enterprise System Cabinet.
8. This part does not include installation, it must be purchased separately.
9. Standard Configurations are Sun's recommended configurations.

StorEdge A5X00 Options

Description	Order Number
StorEdge A5X00 Options	
FC-AL hot swap 9.1GB 10000rpm 1" disk drive for A5200	6710A
FC-AL hot swap 18.2GB 10k rpm 1" disk drive	6720A
FC-AL hot swap 36.4GB 10k rpm 1.6" disk drive	X6722A
FC-AL 100MB/sec Dual Channel SBus host adapter w/1 GBIC module	6730A
S/B PCI FC-AL single-loop host adapter, 100MB/s optical interface factory installed option.	6729A
FC-AL 100MB/sec shortwave GBIC module factory installed option	6731A
Long Wave Optical GBIC Module. Supports up to 10km distance. Includes one 100 MB/sec Long Wave GBIC and one 15m single mode fibre optic cable. Installation included. Requires Service Desk Approval.	X6737A
FC-AL 100MB/s 7 slot hub w/ no GBIC modules	6732A
Dual FC-AL hub rackmount kit mounted in Enterprise expansion cabinet.	6735A
A5000 chassis hot swap interface board. Requires one OE module (not included) per external loop.	X6734A
A5000 storage system hot-swap power supply	X9687A
A5000 rack mounting kit for installation in system cabinet	X9654A
A5000 rack mounting kit for installation in expansion cabinet	X9655A
Front door assembly for 72" expansion cabinet	X9818A
Fan assembly for 72" expansion cabinet	X9819A
U.S./Canada power cord for 72" StorEdge expansion cabinet (NEMA L6-30P plug)	3858A

StorEdge A5X00 Options Compatibility Matrix

Description	Order Number	U6				E	E	E	E	E
		0	E2	E250	E450	3X00	4X00	5X00	6X00	10000
StorEdge A5X00 Options										
FC-AL hot swap 9.1GB 10000rpm 1" disk drive for A5200	6710A ²					✓				
FC-AL hot swap 18.2GB 10k rpm 1" disk drive	6720A ²					✓				
FC-AL hot swap 36.4GB 10k rpm 1.6" disk drive	X6722A									
FC-AL 100MB/sec Dual Channel SBus host adapter w/1 GBIC module	6730A ²		✓			✓	✓	✓	✓	✓
S/B PCI FC-AL single-loop host adapter, 100MB/s optical interface factory installed option.	6729A	✓			✓					
FC-AL 100MB/sec shortwave GBIC module factory installed option	6731A ⁴					✓	✓	✓	✓	
Long Wave Optical GBIC Module. Supports up to 10km distance. Includes one 100 MB/sec Long Wave GBIC and one 15m single mode fibre optic cable. Installation included. Requires Service Desk Approval.	X6737A					✓	✓	✓	✓	✓
FC-AL 100MB/s 7 slot hub w/ no GBIC modules	6732A ^{2,3,4}									
Dual FC-AL hub rackmount kit mounted in Enterprise expansion cabinet.	6735A ^{2,3,4}									
A5000 chassis hot swap interface board. Requires one OE module (not included) per external loop.	X6734A									
A5000 storage system hot-swap power supply	X9687A									
A5000 rack mounting kit for installation in system cabinet	X9654A							✓	✓	
A5000 rack mounting kit for installation in expansion cabinet	X9655A									
Front door assembly for 72" expansion cabinet	X9818A									
Fan assembly for 72" expansion cabinet	X9819A									
U.S./Canada power cord for 72" StorEdge expansion cabinet (NEMA L6-30P plug)	3858A ²									

Footnotes

1. Number of options supported per domain. Max. of 8 domains.
2. Add "X" before the order number (e.g., XnnnA) to order as a standalone option for existing systems.
3. Append "R5" to the order number (e.g. nnnAR5 or SG-ARYnnnn-nnnR5) for factory installation in the 72-inch StorEdge Expansion Cabinet.
4. Append "R4" to the order number (e.g. nnnAR4) for factory installation in the Enterprise System Cabinet.
5. This installation part is required when purchasing X6738A.

StorEdge A5X00 Options *(continued)*

Description	Order Number
StorEdge A5X00 Options <i>(continued)</i>	
International power cord for 72" StorEdge expansion cabinet (IEC 309, 32A, 250V plug)	3859A
2-meter Fibre Optic Cable	X973A
15-meter Fibre Optic Cable	X978A
Sun StorEdge Volume Manager 2.6 for A5000s Media and documentation	VMS9S-260-R999
Veritas Volume Manager 3.0.4 for A5x00s - Media, Documentation & RTU	VVMGS-304-9999
A5000 storage array Windows NT support kit includes CD-ROM media and installation document.	A5000-NT4-B
Fast Write Cache for A5X00	
Fast Write Cache, for the A5X00 Storage Arrays. Includes two 32MB non-volatile RAM SBUS adapter. Includes installation services.	X6745A
Fast Write Cache for the A5X00 Storage Arrays. Includes two 64MB non-volatile RAM PCI adapter. Includes installation services.	X6739A
Fast Write Cache 2.0 Media Kit and Documentation	FWC9S-200-R999

StorEdge A5X00 Options Compatibility Matrix *(continued)*

Description	Order Number	U6				E	E	E	E	E
		0	E2	E250	E450	3X00	4X00	5X00	6X00	10000
StorEdge A5X00 Options										
International power cord for 72" StorEdge expansion cabinet (IEC 309, 32A, 250V plug)	3859A ²									
2-meter Fibre Optic Cable	X973A									
15-meter Fibre Optic Cable	X978A									
Sun StorEdge Volume Manager 2.6 for A5000s Media and documentation	VMS9S-260-R999	✓	✓	✓	✓	✓	✓	✓	✓	✓
Veritas Volume Manager 3.0.4 for A5x00s - Media, Documentation & RTU	VVMGS-304-9999	✓	✓			✓	✓	✓	✓	✓
A5000 storage array Windows NT support kit includes CD-ROM media and installation document.	A5000-NT4-B									
Fast Write Cache for A5X00										
Fast Write Cache, for the A5X00 Storage Arrays. Includes two 32MB non-volatile RAM SBUS adapter. Includes installation services.	X6745A									
Fast Write Cache for the A5X00 Storage Arrays. Includes two 64MB non-volatile RAM PCI adapter. Includes installation services.	X6739A									
Fast Write Cache 2.0 Media Kit and Documentation	FWC9S-200-R999									

Footnotes

1. Number of options supported per domain. Max. of 8 domains.
2. Add "X" before the order number (e.g., XnnnA) to order as a standalone option for existing systems.
3. Append "R5" to the order number (e.g. nnnAR5 or SG-ARYnnnn-*nnnR5*) for factory installation in the 72-inch StorEdge Expansion Cabinet.
4. Append "R4" to the order number (e.g. nnnAR4) for factory installation in the Enterprise System Cabinet.

Platforms

StorEdge Media Central Notes

Sun StorEdge Media Central is an open, extensible media platform for managing and distributing digital media.

StorEdge Media Central provides MPEG-2 storage and streaming and it embraces partners with easy plug-in through Java APIs. It is available in pre-tested configurations based on the number of inputs/outputs, MPEG-2 format, bitrate and hours of storage.

Qualified third party solutions can be purchased directly from the respective vendors. A list of all qualified solutions is available at the following URL: <http://www.sun.com/storage/media-central>

Here are the configurations depending on the number of inputs and outputs and hours of storage:

SG-MC250-S/SG-MC250-S-NR:

4:2:0 (@12Mb/s) 1 i/p, 4 o/p, 26 hrs of storage

4:2:2 (@24Mb/s) 1 i/p, 2 o/p, 13 hrs of storage

SG-MC250-M/SG-MC250-M-NR:

4:2:0 (@12Mb/s) 2 i/p, 8 o/p, 52 hrs of storage

4:2:2 (@24Mb/s) 1 i/p, 4 o/p, 26 hrs of storage

SG-MC250-L/SG-MC250-L-NR:

4:2:0 (@12Mb/s) 2 i/p, 16 o/p, 104 hrs of storage

4:2:2 (@24Mb/s) 1 i/p, 8 o/p, 52 hrs of storage

SG-MC450-S/SG-MC450-S-NR:

4:2:0 (@12Mb/s) 2 i/p, 10 o/p, 52 hrs of storage

4:2:2 (@24Mb/s) 1 i/p, 8 o/p, 26 hrs of storage

SG-MC450-M/SG-MC450-M-NR:

4:2:0 (@12Mb/s) 4 i/p, 16 o/p, 104 hrs of storage

4:2:2 (@24Mb/s) 2 i/p, 12 o/p, 52 hrs of storage

SG-MC450-L/SG-MC450-L-NR:

4:2:0 (@12Mb/s) 6 i/p, 20 o/p, 208 hrs of storage

4:2:2 (@24Mb/s) 2 i/p, 16 o/p, 104 hrs of storage

Rack Version

With rack version, product will ship with:

- hardware components configured in Sun racks
- software pre-installed and drives formatted in the factory.

Non-Rack Version

With non-rack version:

- hardware is not rack ready and will ship as individual components
- software has to be installed at the customer site
- list of third party racks that are supported by Sun rack mount kits will be published
- The E250 servers can be mounted in non-Sun racks with following features:
 - Fixed front and rear flanges with a set of intermediate rails
 - 30" deep or more with a ventilated rear door and no front door
- The hardware can be configured in a Sun rack, the part number for Sun's 72" rack is SG-XARY030A
- If you choose to rack mount the hardware, please order the appropriate X-options rackmount kits for the servers and storage products (X9691A, X9690A, X9635A).

StorEdge Media Central

Description	Order Number
StorEdge Media Central - Rack Version	
StorEdge Media Central up to 15 channels (3 in, 12 out) and 26 hrs of storage (@12Mb/s, 4:2:0) Rack version	SG-MC250-S
StorEdge Media Central up to 30 channels (6 in, 24 out) and 52 hrs of storage (@12Mb/s, 4:2:0) Rack Version	SG-MC250-M
StorEdge Media Central up to 30 channels (6 in 24 out) and 104 hrs of storage (@12Mb/s, 4:2:0) Rack version	SG-MC250-L
StorEdge Media Central up to 16 channels (6 in, 24 out) and 52 hrs of storage (@12Mb/s, 4:2:0) Rack Version	SG-MC450-S
StorEdge Media Central up to 30 channels (12 in, 24 out) and 104 hrs of storage (@12Mb/s, 4:2:0) Rack Version	SG-MC450-M
StorEdge Media Central up to 30 channels (12 in, 24 out) and 208 hrs of storage (@12Mb/s, 4:2:0) Rack Version	SG-MC450-L
StorEdge Media Central - Non-Rack Version	
StorEdge Media Central upto 5 channels (3 in, 12 out) and 26 hrs of storage (@12Mb/s, 4:2:0) Non-Rack version	SG-MC250-S-NR
StorEdge Media Central up to 10 channels (6 in, 24 out) and 52 hrs of storage (@12Mb/s, 4:2:0) Non-Rack Version	SG-MC250-M-NR
StorEdge Media Central up to 18 channels (6 in 24 out) and 104 hrs of storage (@12Mb/s, 4:2:0) Non-Rack version	SG-MC250-L-NR
StorEdge Media Central up to 12 channels (6 in, 24 out) and 52 hrs of storage (@12Mb/s, 4:2:0) Non-Rack version	SG-MC450-S-NR
StorEdge Media Central up to 20 channels (12 in, 24 out) and 104 hrs of storage (@12Mb/s, 4:2:0) Non-Rack version	SG-MC450-M-NR
StorEdge Media Central up to 26 channels (12 in, 24 out) and 208 hrs of storage (@12Mb/s, 4:2:0) Non-rack version	SG-MC450-L-NR

Expansion Cabinets

StorEdge 72” Expansion Cabinet Configuration Guide

StorEdge Expansion Cabinet, SG-XARY030A includes:		
2 power sequencers 18 pre-routed internal power cables Locking back door Floor brackets/tilt bars External power cord (While included, must order separately) Trim Kit 36U Capacity 72”(H) x 24”(W) x 36”(D)*		
Options:		
Front door	X9818A	
Fan Trays	X9819A	
Baffle Kit	X9660A	
Supported Products		
Product	Size(U)	Cooling Type **
Storage		
A1000	4	A
D1000	4	A
A3500 (ctrl)	4	A
A5000	5	B
Servers		
E250	7	A
E450	14	A
E220R	4	A
E420R	4	A
E4500***	8	B
Tape		
L280	5	A
L1000	12	A
Accessories		
Fan Trays X9819A	1	A
Baffle kit X9660A	1	A
Rack Capacity	36U	
<p>*Requires 2” spacing between racks when installed with type B devices, see, “How to Install Devices” for details.</p> <p>**Type A devices are front-to-back cooled. Type B devices are side cooled and may require specific placement in the rack or additional options to ensure proper cooling. See, “How To Install Devices” for details.</p> <p>***For installation instructions of Enterprise 4500 server, please refer to the “Mid-Range/Data Center Servers” section of the price book.</p>		

StorEdge 72" Expansion Cabinet Configuration Guide *(cont'd)*

How to Install Devices

- In order to insure proper cooling, it is important to mount the supported products according to their method of cooling. Please follow the installation rules for the following 3 situations:

1) All front-to-back cooled (Type A) devices in a single rack.

- Type A cooled devices may be mounted in the cabinet up to its full capacity (36U).

2) All Side-cooled (Type B) devices in a single rack.

- Type B devices may be mounted in the cabinet, up to 35U.
- The redundant fan tray X9819A is required (requires 1U).
- Front door X9818A required (from EMI) if more than 2 A5000 mounted in cabinet.
- Cabinet must maintain 2" clearance on left side, between next cabinet or wall.
- For installation instructions of Enterprise 4500 server, please refer to the "Mid-Range/Data Center Servers" section of the price book.

3) Combining both Side-cooled (Type B) and front-to-back cooled (Type A) devices.

- Fill the cabinet from the bottom up, with side-cooled (type B) devices.
- Baffle X9660A is required and is mounted immediately above the last type B device.
- Fill the cabinet from the Baffle up, with front-to-back (type A) devices.
- Redundant fan tray X9819A is required.
- Front door X9818A required (from EMI) if more than 2 A5000 mounted in cabinet.
- Cabinet must maintain 2" clearance on left side, between next cabinet or wall.
- For installation instructions of Enterprise 4500 server, please refer to the "Mid-Range/Data Center Servers" section of the price book.

NOTE:

- Configurations that do not follow the guidelines above are NOT supported and could cause reduced performance or permanent damage to the devices.
- For details on what order to put the devices in the rack, please read "Rackmount Placement Matrix" web page on <http://docs.sun.com>

Expansion Cabinet and Packaging Options

Description	Order Number
Expansion Cabinets and Packaging Options	
U.S./Canada power cord for 72" StorEdge expansion cabinet (NEMA L6-30P plug)	3858A
International power cord for 72" StorEdge expansion cabinet (IEC 309, 32A, 250V plug)	3859A
Air Baffle for Enterprise Expansion Cabinet	X9601A
Enterprise Cabinet Floor Brackets for 56" and 68" System and Expansion Cabinet. OEM ready - 09/96	X9602A
Second Power Sequencer for 68-inch Enterprise System and Expansion Cabinet OEM ready - 05/98	X9620A
Rack-Mount Rails for Enterprise 4X00 servers in 68" Enterprise Expansion Cabinet	X9621A
9" Air Baffle for StorEdge A5000 in Enterprise 5500 and 6500 System Cabinet and 68" Enterprise Expansion Cabinet OEM ready - 04/98	9622A
A5000 screen door for 68-inch Enterprise Expansion Cabinet	X9624A
6-inch Air Baffle for Enterprise Cabinet	X9625A
Mounting Bracket for Second Power Sequencer in Enterprise 5500 and 6500 System Cabinets	9626A
Rackmount Kit for StorEdge L280 Tape Autoloader in 56" or 68" Enterprise Expansion Cabinet	X9643A
72-inch StorEdge Expansion Rack w/ 2 power sequencers and cables The StorEdge Expansion Rack is intended for a variety of Storage Products including the A1000/D1000, A3000, A5000, and tape products. The rack is 24" wide and 72" tall. This rack will include power sequencers and power cables.	SG-XARY030A
Front door assembly for 72" expansion cabinet	X9818A
Fan assembly for 72" expansion cabinet	X9819A
1RU Air Baffle for 72" StorEdge Rack	X9660A

Expansion Cabinets and Packaging Options Compatibility Matrix

Description	Order Number	Sun Enterprise Servers Sun HPC Servers		
		56" rack E5000/ E6000	68" rack E5500/ E6500	72" rack E4X00/ E250/ E450/ E220R/ E420R
Expansion Cabinets and Packaging Options				
U.S./Canada power cord for 72" StorEdge expansion cabinet (NEMA L6-30P plug)	3858A ¹			
International power cord for 72" StorEdge expansion cabinet (IEC 309, 32A, 250V plug)	3859A ¹			
Air Baffle for Enterprise Expansion Cabinet	X9601A			
Enterprise Cabinet Floor Brackets for 56" and 68" System and Expansion Cabinet. OEM ready - 09/96	X9602A ²	1	1	
Second Power Sequencer for 68-inch Enterprise System and Expansion Cabinet OEM ready - 05/98	X9620A ²		1	
Rack-Mount Rails for Enterprise 4X00 servers in 68" Enterprise Expansion Cabinet	X9621A			1
9" Air Baffle for StorEdge A5000 in Enterprise 5500 and 6500 System Cabinet and 68" Enterprise Expansion Cabinet OEM ready - 04/98	9622A ^{1,2}		1	
A5000 screen door for 68-inch Enterprise Expansion Cabinet	X9624A			
6-inch Air Baffle for Enterprise Cabinet	X9625A			✓
Mounting Bracket for Second Power Sequencer in Enterprise 5500 and 6500 System Cabinets	9626A ¹			
Rackmount Kit for StorEdge L280 Tape Autoloader in 56" or 68" Enterprise Expansion Cabinet	X9643A			
72-inch StorEdge Expansion Rack w/ 2 power sequencers and cables The StorEdge Expansion Rack is intended for a variety of Storage Products including the A1000/D1000, A3000, A5000, and tape products. The rack is 24" wide and 72" tall. This rack will include power sequencers and power cables.	SG-XARY030A			
Front door assembly for 72" expansion cabinet	X9818A			
Fan assembly for 72" expansion cabinet	X9819A			
1RU Air Baffle for 72" StorEdge Rack	X9660A			

General Note

- A number in the Matrix indicates the maximum supported quantity for that particular option.

Footnotes

1. Add "X" before the order number (e.g., XnnnA) to order as a standalone option for existing systems.
2. This product is OEM-Ready, please refer to the "Ordering Policies and Guidelines" section page 1-1.