Hardware Upgrades

High-End/Data Center Servers

Ordering Flow Chart for Upgrades to Enterprise 10000

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

Step 1 - required

Server Base System Upgrade

→

UG-E5X00-E10000-4
UG-E6X00-E10000-4

Step 1a - required

Order: UG-RMA (Return Material Athorization Kit) - no charge

Step 2 - required

UltraSPARC Module Upgrade Minimum of 4 per System. One to four per System Board. Maximum of 64 per E10000.

→

UG-M2510-M2550E10K - *250 MHz/4MB, fact inst.*
UG-M2560 - *333MHz Module w/ 4MB E-cache*
UG-M2580 - *400MHz Module w/ 8MB E-cache*
UGFA-M2510-M2560 - *333MHz/4MB*
UGFA-M2510-M2580 - *400MHz/8MB*
UGFA-M2530-M2560 - *333MHz/4MB*
UGFA-M2550-M2580 - *400MHz/8MB*
UGFA-M2560-M2580 - *400MHz/8MB*
2550A - *250 MHz, 4MB external cache*
2560A - *333MHz, 4MB external cache*
2580A - *400MHz, 8MB external cache*

Step 3 - required

System Board Upgrade Minimum of one per System. Maximum of 16 per E10000.

→

UG-260X-2761-SB1 - *E10000 System Board*
UG-260X-2761-SB2 - *E10000 System Board*
2761A - *E10000 System Board*

Step 4 - optional

Memory (order as required) Minimum of 2 x 7022A or 2 x 7023A per System Domain**.** Maximum of four per Memory Board. Maximum of 64 per E10000.

→

EITHER: 7022A - *256 MB Memory* **OR:** 7023A - *1 GB Memory* **OR:** UGFA-MEM256-MEM1GB - *1 GB Memory*

Step 5 - required

Memory Board Minimum of one per System. Maximum of 16 per E10000.

→

7025A- *Memory Board*

Step 6 - required

Control Board Minimum of one per System. Two for redundancy.

→

2722A - *Control Board w/ Ethernet Hub*

Step 7 - required

Power Supplies Minimum of five per System. Eight if more than 8 System Boards.

→

9685A - *48V Power Supply*

Ordering Flow Chart for Upgrades to Enterprise 10000 *(cont.)*

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

Step 8 - required

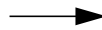| AC Breakers

Minimum of three per System.
Four if more than eight System Boards. |
| :--- |

→ 3875A - *AC input module*

Step 9 - required

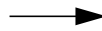| Cooling Fans

Minimum of ten per System.
16 if more than 8 System Boards. |
| :--- |

→ 9671A - *Fan tray*

Step 10 - required

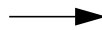| Power Control Module/2nd Sequencer

Up to five Power Control Modules per System.
One 2nd AC Power Sequencer. |
| :--- |

→ 9681A - *Power Control Module w/cable*
9620A - *Optional 2nd AC power sequencer*

Step 11 - required

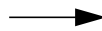| System Service Processor (SSP)

Minimum of one per System.
Two for redundancy. |
| :--- |

→ **Select One:**

2754A- *System Service Processor (Ultra 5)*

2755A- *System Service Processor (E250)*

Step 12 - required

| SSP Country Kits

Order one per SSP. |
| :--- |

→ **Choose one:**

3508A- *North american/Universal Type 6 country kit*
3530A- *European/Universal Type 6 country kit*
3509A- *French Type 6 country kit*
3510A- *German Type 6 country kit*
3571A - *Portuguese Type 6 country kit*
3514A- *United Kingdom Type 6 country kit*

Step 13 - required

| Software
Order must include one of each. Order should also include one copy of Sun Enterprise Netbackup Software |
| :--- |
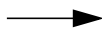
→ SOLMS-26EW9999 - *Solaris 2.6 Server edition*

SOLS-2.5.1NOV97 - *Solaris 2.5.1 Server edition*

SSP9S-320-SAM9 - *System Service Processor 3.2*

ENB9S-311-S999 - *Sun Enterprise Netbackup 3.1.1*

Step 14 - required

I/O Board (SBus or PCI) Minimum of one per System. Maximum of 16 per Enterprise 10000. Any Mix allowed
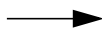
→ 2730A - *Dual SBus I/O Board*

2731A - *Dual PCI I/O daughter Board*

Ordering Flow Chart for Upgrades to Enterprise 10000 *(cont.)*

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

Step 15 - optional

Internal Disk Storage options

Maximum of 2 StorEdge D1000's in E10000.

Choose from:

SG-ARY136A-72GR4 - *72GB StorEdge D1000*

Step 16 - optional

Interfaces and Host Adapters

These options may be required to support configured mass storage and tape devices (optional).

Choose one:

1062A - *SBus DWIS/S Host Adapter*

1148A - *SBus ATM - 155/UTP Host Adapter*

1063A - *SBus SWIS/S Host Adapter*

1065A - *SBus Ultra DWIS/S Host Adapter (Req for Internal Storage - 1 per D1000 Tray)*

1070A - *HPPI PCI Network Interface Card*

1140A - *SBus Gigabit Ethernet 2.0 Adapter*

1141A - *PCI Gigabit Ethernet 2.0 Adapter*

1049A - *Quad FastEthernet SBus Card (QFE)*

1142A - *SBus SAS FDDI 6.0 Adapter*

1143A - *SBus DAS FDDI 6.0* Adapter

1059A - *SBus Fast Ethernet Adapter 2.0*

1146A- *SBus Serial Parallel Controller (SPC/S)*

1018A - *SBus SunSwift 100BaseT Adapter*

X1145A - *SBus High-Speed Serial Interface (HSI/S)*

1147A - *SBus SunATM-155/MFiber Adapter 4.0*

1149A - *SBus SunATM-622/MFiber Adapter*

1144A - *Token Ring Interface/SBus (TRI/S) Card*

Step 17 - required

Power Cord for System

Minimum of three.
Maximum of four per Cabinet.
Order 4 if more than 8 System Boards.

Choose one:

3865A - *Power Cord, U.S. Version*

3851A - *Power Cord, International Version*

Step 18 - required

Power Cord for AC Sequencers in System

One required, two if a 2nd AC Sequencer

Choose one:

3800A - *Power Cord, U.S. Version*

3848A - *Power Cord, International Version*

Step 19 - required

Submit Configuration to DHPG SalesDesk, with E10000 Configuration Diagram.
http://sales-desk.West/

Upgrades to Enterprise 10000

Description	Order Number
From Enterprise 5000	
System upgrade from E5X00 system cabinet to E10000 base cabinet, Centerplane with two Centerplane Support boards, and I/O space with power sequencer, Solaris license with unlimited users, license for SSP software. Customer Returns: * E5X00 Data Center System Cabinet with two Power Cooling Modules, Clock Board and SunCD	UG-E5X00-E10000-4
From Enterprise 6000	
System upgrade from E6X00 system cabinet to E10000 base cabinet, Centerplane with two Centerplane Support boards, and I/O space with power sequencer, Solaris license with unlimited users, license for SSP software. Customer Returns: * E6X00 Data Center System Cabinet with two Power Cooling Modules, Clock Board and SunCD	UG-E6X00-E10000-4
From Enterprise 6000 system to Starfire Express System	
Upgrade from an Sun E6x00 Server cabinet to an Sun Enterprise 10000 Power Express System base cabinet which includes: 8 power supplies (9685A), 4 AC Input Modules (3875A), 16 fan trays (9671A) Customer Returns: One Sun E6x00 server chassis with two power/ cooling modules, clockboard and SunCD Note: UG-RMA must be ordered in the same ship set.	UG-E6X00-E10000-D
Upgrade to Enterprise 10000 System Board	
From Enterprise 6000 CPU/Memory Board	
System board upgrade from one(1) EXX00 CPU/Memory Boards to one(1) E10000 2761A System Board, no Processor, no Memory Board, and no SIMMs are included. --FACTORY INSTALLED ONLY Customer Returns: One 260x CPU/Memory Boards (To be ordered with chassis upgrade	UG-260X-2761-SB1

General Notes
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *This upgrade requires Solaris 2.5.1 HW 2/97 or later Solaris 2.x release.*

Ordering Notes
- *To configure an Enterprise 10000 system upgrade, order as needed, Module, System Board, Dual SBus I/O Board upgrades. See the appropriate Module & Board upgrade information and pricing.*
- *Enterprise 10000 supports only 250-MHz or 333-MHz UltraSPARC, or 400-MHz Processor Modules. Order Module upgrades as necessary.*
- *For additional system boards, memory, disk options, disk controllers, and tape drives, refer to the "Enterprise 10000" section and the Options section.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Upgrades to Enterprise 10000 *(continued)*

Description	Order Number

Upgrade to Enterprise 10000 System Board *(continued)*

From Enterprise 6000 CPU/Memory Board *(continued)*

System board upgrade from two(2) EXX00 CPU/Memory Boards to one(1) E10000 2761A System Board, no Processor, no Memory Board, and no SIMMs are included. --FACTORY INSTALLED ONLY Customer Returns: Two 260x CPU/Memory Boards (To be ordered with chassis upgrade   UG-260X-2761-SB2

From old Enterprise 10000 System Board (X)2760A

System board upgrade from one (1) 2760A E10000 System Board to one(1) E10000 2761A System Board. no processor, no Memory Board, and No SIMMs are included. CONFIGURE TO ORDER -- FIELD INSTALLED ONLY Customer Returns: One E10000 2760A system board   UG-2760A-C2761A [2]

From Enterprise 6000 I/O Board

Board upgrade from E6000 SBus I/O Board to E10000 Dual SBus I/O Board. Customer Returns: * One E6000 SBus I/O Board To be ordered with E6000 to E10000 system upgrade only.   UG-SBIO-DSBIO

Sun Enterprise 10000 Server memory upgrade

From 256-Mbyte (8 x 32-Mbyte SIMM modules - (X)7022A) to 1-Gbyte (8 x 128-Mbyte SIMM modules - (X)7023A)

Upgrade from 256-Mbyte (7022A) Enterprise Server memory to 1GB (7023A) of memory ***Note: ONLY FOR 7023A compatible Enterprise Servers Customer returns: one 256MB (7022A) Memory Module   UG-MEM256-MEM1GB [1,3]

Upgrade from 256-Mbyte (7022A) Enterprise Server memory to 1GB (7023A) of memory ***Note: ONLY FOR 7023A compatible Enterprise Servers- FACTORY INSTALL Customer returns: one 256MB (7022A) Memory Module   UGFA-MEM256-MEM1GB

General Notes
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Enterprise System Board Upgrades may be ordered with the appropriate Chassis Upgrades to yield a system upgrade with multiple number of system boards.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes
1. *This upgrade cannot be configured at the factory. It is a field installed upgrade.*
2. *Please note: The family name (UG-E10000-CTO) must be selected when entering a CTO upgrade order via Sun's order entry process.*
3. *Standard Configurations are Sun's recommended configurations.*

Upgrades to Enterprise 10000 *(continued)*

Description	Order Number

Sun Enterprise 10000 Control Board upgrade - Field Installed

From one Sun Enterprise 10000 control board

Upgrade to a 5:1 ratio Enterprise 10000 Control   UG-E10K-5/1CONTRLB
Board Field Installed Customer Returns: 2721A
control board only (not ethernet hub)

General Notes
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Enterprise System Board Upgrades may be ordered with the appropriate Chassis Upgrades to yield a system upgrade with multiple number of system boards.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote
1. *This upgrade cannot be configured at the factory. It is a field installed upgrade.*

Enterprise 10000 Board Upgrades

Description	Order Number

Upgrade to Enterprise 10000 System Board

From Enterprise X000 83MHz Clock Board

| 5:1 Enterprise Sys Clock board upgrade. Required for 400MHz/8MB Faster UltraSPARC module. Customer returns: Enterprise system clock board. | UG-5/1-CLOCKBOARD[1] |

From Enterprise 6000 CPU/Memory Board

| System board upgrade from one(1) EXX00 CPU/Memory Boards to one(1) E10000 2761A System Board, no Processor, no Memory Board, and no SIMMs are included. --FACTORY INSTALLED ONLY Customer Returns: One 260x CPU/Memory Boards (To be ordered with chassis upgrade | UG-260X-2761-SB1 |
| System board upgrade from two(2) EXX00 CPU/Memory Boards to one(1) E10000 2761A System Board, no Processor, no Memory Board, and no SIMMs are included. --FACTORY INSTALLED ONLY Customer Returns: Two 260x CPU/Memory Boards (To be ordered with chassis upgrade | UG-260X-2761-SB2 |

From old Enterprise 10000 System Board (X)2760A

| System board upgrade from one (1) 2760A E10000 System Board to one(1) E10000 2761A System Board. no processor, no Memory Board, and No SIMMs are included. CONFIGURE TO ORDER -- FIELD INSTALLED ONLY Customer Returns: One E10000 2760A system board | UG-2760A-C2761A[2] |

From Enterprise 6000 I/O Board

| Board upgrade from E6000 SBus I/O Board to E10000 Dual SBus I/O Board. Customer Returns: * One E6000 SBus I/O Board To be ordered with E6000 to E10000 system upgrade only. | UG-SBIO-DSBIO |

General Notes

- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes

- *Enterprise System Board Upgrades may be ordered with the appropriate Chassis Upgrades to yield a system upgrade with multiple number of system boards.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes

1. *This upgrade cannot be configured at the factory. It is a field installed upgrade.*
2. *Please note: The family name (UG-E10000-CTO) must be selected when entering a CTO upgrade order via Sun's order entry process.*

Enterprise 10000 CTO Board Upgrades Flow Chart

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

Step 1 - required

Server Base Package

→ UG-E10000-CTO - *E10000 CTO Base Package*

Step 1a - required

Order:
UG-RMA (Return Material Authorization) - No Charge

Step 2 - required

System Board
Minimum of one per CTO order.
Maximum of 16 per CTO order.

→ UG-2760A-C2761A - *System Board Upgrade*

Step 3 - optional

UltraSPARC Module
Minimum of one per CTO System Board.
Maximum of four per CTO System Board.
Maximum of 64 per E10000 CTO order.

→ 2550A - *250 MHz, 4-Mbyte external cache*
2560A - *336/333 MHz, 4-Mbyte external cache*
2580A - *400MHz, 8-Mbyte external cache*
UGFA-M2510-M2560 - *336/333 MHz, 4-Mbyte*
UGFA-M2510-M2580 - *400MHz, 8-Mbyte*
UGFA-M2550-M2580 - *400MHz, 8-Mbyte*

Step 4 - optional

Memory Board
Maximum of 1 per CTO System Board.

→ 7025A- *Memory Board*

Step 5 - optional

Memory
Minimum of two per Memory Board**.**
Maximum of four per Memory Board.

→ 7022A - *256 MB Memory Expansion (8x32 MB SIMMs)*
7023A - *1 GB Memory Expansion (8x128 MB SIMMs)*
UGFA-MEM256-MEM1GB - *1 GB Memory*

Step 6 - optional

I/O Boards (SBus or PCI)
one per CTO System Board.

→ 2730A - *Dual SBus I/O Board*
2731A - *Dual PCI I/O daughter board*

Step 7 - required if Sys. Bds in slots 8 to 15

Power Supplies - add three
Fan Trays- add six
AC input modules - add one
Power cords - add one (US or Int'l)

→ C9685A - *48V Power Supply*
C9671A - *fan tray*
C3875A - *AC input module*
C3865A - *Power cord, US version*
C3851A - *Power cord, Int'l version*

Step 8 - required

Submit Configuration to DHPG SalesDesk, with E10000 System Board Configuration Diagram.
http://sales-desk.West/

Enterprise 10000 Configure to Order Board Upgrades

Description	Order Number
Upgrade to Enterprise 10000 System Board	
System board upgrade from one (1) 2760A E10000 System Board to one(1) E10000 2761A System Board. no processor, no Memory Board, and No SIMMs are included. CONFIGURE TO ORDER -- FIELD INSTALLED ONLY Customer Returns: One E10000 2760A system board	UG-2760A-C2761A [1]

Footnotes

1. *Please note: The family name (UG-E10000-CTO) must be selected when entering a CTO upgrade order via Sun's order entry process.*

Enterprise 10000 Capacity-On-Demand Upgrades Ordering Flow Chart

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

Step 1 - required

Server Base Package

➡️ UG-E10000-C - *Enterprise 10000 Capacity-On-Demand Base Package includes: 8 power supplies (9685A), 4 AC input modules (3875A), 16 fan trays (9671A), and includes a RTU license to use 8 UltraSPARC 400MHz 8-Mbyte Modules.*

Step 2 - required

Capacity-On-Demand System Board Package Minimum of 5 per Capacity-On-Demand System. Maximum of 16 per Capacity-On-Demand System.

➡️ UG-2860A - *Capacity-On-Demand System Board Package includes: 1-system board (2761A), 4 UltraSPARC Modules 400MHz 8-Mbyte external cache (2580A), 2 GB Memory (7023A), 1 memory board (7025A), and 1 dual SBus I/O board (2730A).*

Step 3 - optional

License for additional RTU CPUs for UG-E10000-C only Note: Orderable only with Server Upgrade Base Package (UG-E10000-C)

➡️ UG-E10000RTU-TIER1 - *One RTU License for One 400MHz 8-Mbyte UltraSPARC Module. Order for additional RTU CPU licenses for E10000-C base package up to 20 RTU licenses (note: E10000-C includes 8 RTU CPU Licenses)*

Step 4 - required

Go to Step 4-12 page 4-153. for additional required components

➡️ 2722A - *Control Board, with Ethernet Hub*

Step 5 - required

RMA Kit Order quantity of one.

➡️ UG-RMA- *Return Material Authorization Kit*

Step 6 - required

Submit Configuration to DHPG SalesDesk, with E10000 Configuration Diagram. http://sales-desk.West/

Enterprise 10000 Capacity-On-Demand System Upgrade Configuration Guidelines

General Comments

- All items which are supported with the standard E10000 configuration are also supported with E10000 Capacity-On-Demand base package, refer to the E10000 order note section for configuration rules.

Capacity-On-Demand Server Upgrade Base Package Information

- Enterprise 10000 Capacity-On-Demand Upgrade Base Package includes: system chassis, 8 power supplies (9685A), 4 AC input modules (3875A), 16 fan trays (9671A), and includes RTU license to use 8 UltraSPARC Modules 400MHz 8-Mbyte modules and Licenses for AP and SSP software.

- A single qualified minimum configured server must be returned.

Capacity-On-Demand System Board Package

- Capacity-On-Demand System Upgrade Board Package includes: 1 system board (2761A), 4 UltraSPARC Modules 400MHz 8-Mbyte external cache (2580A), 2 GB Memory (7023A), 1 memory board (7025A), and 1 dual SBus I/O board (2730A).

- Minimum of five per system. Maximum number of System Boards is 16.

- Capacity-On-Demand System Upgrade Board Package does not include any RTU CPU license, must be ordered separately.

- Trade-in requirement is the identical minimum system traded in when ordering the upgrade Capacity-On-Demand Base.

CPU Licensing for E10000 Capacity-On-Demand Upgrade Base Package ONLY

- The E10000 Capacity-On-Demand Upgrade Base Package only includes a license to utilize 8 UltraSPARC Modules 400MHz 8-Mbyte.

- Order License for additional RTU CPUs for UG-E10000-C only via UG-E10000RTU-TIER1 P/N, up to 20 CPU RTU Licenses. Note: Customer must trade-in one additional CPU from qualified server being upgraded for each RTU license ordered.

- Must be ordered/shipped with Capacity-On-Demand Base Upgrade Package.

CPU Licensing for E10000 Capacity-On-Demand Beyond 20 CPU RTU Licenses

- Order additional Capacity-On-Demand System Board Packages with the UG-E10000-C Base beyond the minimum 5 where the customer is trading in more than 12 additional CPU modules.

- Order for additional CPU licenses beyond 20 RTU licenses for UG-E10000-C base package via UG-E10000RTU-TIER2.

- Note: Customer must trade-in one additional CPU from qualified server being upgraded for each RTU license ordered.

- Must be ordered/shipped with Capacity-On-Demand Base Upgrade Package.

Enterprise 10000 Capacity-On-Demand Upgrade Sample Configurations

Enterprise 10000 Configuration

Quantity	Order Number	Description
1	UG-E10000-C	Enterprise 10000 Capacity-On-Demand Base Package includes: system chassis, 8 power supplies (9685A), 4 AC input modules (3875A), 16 fan trays (9617A), and includes a RTU license to use 8 UltraSPARC 400MHz 8-Mbyte Modules
5	UG-2860A	COD System Board Package includes: 1 system board (2761A), 4 UltraSPARC Modules 400MHz 8-Mbyte external caches(2580A), 2 GB Memory (7023A), 1 memory board (7025A), and 1 dual SBus I/O board (2730A).
4	3865A or 3851A	Power Cords
1	SOLMS-26EW9999	Solaris 2.6 HW 5/98 for Servers
1	SOLMS-070WD999	Solaris 7 media kit which includes E10000 System Service Processor 3.1.1 software
1	E10000-SW-COD-1.0	Sun Enterprise 10000 Capacity-On-Demand software
1	2754A	E10000 System Service Processor (Ultra 5 with 19" monitor)
1	2722A	E10000 Control Board
1	various	SSP Country Kit
1	1049A	Quad FastEthernet SBus Card (QFE)
1	SG-ARY147A-36GR4	36GB StorEdge D1000
1	1065A	SBus Ultra Differential F/W Intelligent SCSI Host Adapter
1	3800A/3848A	Power Cord for E10000 internal I/O
1	UG-RMA	Return Material Authorization Kit

Enterprise 10000 with twenty 400-MHz/8MB UltraSPARC Processors, 10-Gbyte of Memory and 36-Gbyte of internal disk storage

Enterprise 10000 Capacity-On-Demand Upgrades

Description	Order Number

Upgrade to Enterprise 10000 System Board

Upgrade from an E5x00 or E6x00 Server mimimum system to a Sun Enterprise 10000 capacity-, on-demand base cabinet includes: 8 power supplies (9685A), 4 AC Input Modules (3875A), 16 fan trays (9671A) and a RTU license to use 8 UltraSPARCII 400MHz 8-Mbyte Modules One Sun E5x00 or E6x00 chassis with mimimum system components. Note: UG-RMA must be ordered in same ship set.	UG-E10000-C [1]
Upgrade a Sun E5x00 or E6x00 server w/minimum components to a to Sun Enterprise 10000 capacity-, on-demand system board package: 1 system boards (2761A), 4 USII modules 400MHz-8Mbyte external cache (2580A), 2GB Memory (7023A), 1 Memory Boards (7025A), 1 dual SBus I/O Boards (2730A), DOES NOT include any RTU Licenses. FACTORY CONFIGURED ONLY with base UG-E10000-C upgrade package Customer Returns:Same minimum syste traded in when ordering upgrade COD base (UG-E10000-C)	UG-2860A
Upgrade from Sun E5x00 or E6x00 server and order an additional Sun Enterprise 10000 right-to-use lic; for 9th through 20th CPU RTU Lic. An UltraSPARC CPU module must be traded in for each right-to-use license.(NOTE: initial eight RTU's included in UG-E10000-C base pkge) ONLY ORDERABLE WITH THE FACTORY CHASSIS UPGRADE Customer Must Return: One UltraSPARC CPU from Sun Enterprise E5x00 or E6x00 server	UG-E10000RTU-TIER1
Upgrade from a Sun Enterprise 5x00 or 6x00 server and order an additl Enterprise 10000 RTU license for 21st to 64th CPU right-to-use license; an UltraSPARC CPU module must be traded in for each right- to-use license(NOTE: initial eight right-to-use licenses included in UG-E10000-C base package.) ONLY ORDERABLE with FACTORY CHASSIS UPG Customer Returns: One UltraSPARC CPU from Sun Enterprise 5x00 or 6x00 server	UG-E10000RTU-TIER2

Footnote

1. *UG-RMA must be ordered.*

Server Consolidation Trade-In Program

Server Consolidation Trade-In Program Notes

What is the Server Consolidation Trade-In Program

The Server Consolidation Trade-in Program enables customers to trade-in additional older Sun servers or competitive servers and enrich a configuration by populating their existing Sun Enterprise 250, 450, 3X00, 4X00, 5X00, 6X00, or 10000 server with additional system boards, memory, and CPU modules at a reduced price.

As an enhancement to the chassis-for-chassis upgrade program, Sun provides a program for customers to enrich a configuration by populating their existing Sun Enterprise 250, 450, 3X00, 4X00, 5X00, 6X00, or 10000 server with additional system boards, memory, and CPU modules.

How does the Server Consolidation Trade-In Program work

(a) First Transaction

Obtain a Sun Enterprise server chassis and minimum system components via Sun's existing offerings such as:

(a) Boxes for Box
- Consolidate multiple older Sun or non-Sun Server workloads onto a new Sun Enterprise Server

Point Requirements for Consolidating Base Packages

Minimum Points	Target Sun Server consolidating into
1	E3500
2	E4500
2	E5500
4	E6500
8	E10K

(b) Boxes for Boards
- Trade in select, older Sun or competitive server(s) and purchase Sun boards and modules at a reduced price:

NOTE: A web-based "Trade-In Consolidation Calculator" which guides the user through Step 1 and Step 2 is available at http://edss.corp/attackpack/consolidate/expand/

STEP 1

Identify point value of each eligible server(s) traded-in. Ensure total points meets minimum required per transaction. The point value awarded for each server trade-in can be viewed in the "Trade-In Consolidation Calculator" at http://edss.corp/attackpack/consolidate/expand/

STEP 2

Identify quantity and type of eligible boards, CPU modules to be purchased. Determine that quantity and type are within the maximum allowed based on the total accumulated points. See Components Quantity Limit Matrix below.

STEP 3

REQUIRED: Each consolidation Trade-In Program Order must include a proposal page obtained by using the "Trade-In Consolidation Calculator" at: **http://edss.corp/attackpack/consolidate/expand/**

COMPONENT QUANTITY LIMIT

Sun Enterprise 250 Sun Enterprise 220R Netra t 112x		Sun Enterprise 450 Sun Enterprise 420R Netra t 140x	
Min Pts	Max CPU/ Mon	Min Pts	Max CPU/ Mon
.5	1 / 1	.5	1 / 1
		1	2 / 2
		1.5	3 / 3

COMPONENT QUANTITY LIMIT

Sun Enterprise 3X00			Sun Enterprise 4X00			Sun Enterprise 5X00			Sun Enterprise 6X00		
Min Pts	Max CPU	Qty Mem +Bd	Min Pts	Max CPU	Qty Mem +Bd	Min Pts	Max CPU	Qty Mem +Bd	Min Pts	Max CPU	Qty Mem +Bd
1	2	1	2	4	2	2	4	2	4	8	4
2	4	2	4	8	4	4	8	4	8	16	8
3	6	3	6	12	6	6	12	6	12	24	12

COMPONENT QUANTITY LIMIT

Sun Enterprise 10000				Field Install Only		
Min Pts	CPU	Max SysBd	Qty Mem+Bd	OR	Min Pts	Power Express Consol CTO Upgrade Board
8	8	2	2		8	2
16	16	4	4		16	4
24	24	6	6		24	6
32	32	8	8		32	8
40	40	10	10		40	10

Note: A Return Material Authorization (RMA) kit is required to be ordered for EACH qualifying server being traded in. (P/N CU-CONSOL-RMA).

Server Consolidation Trade-In Program

Description	Order Number

For Consolidation on E250 and E450

Server consolidation trade-in of qualifying Sun or non-SUn workgroup server system for 512-Mbyte (4x128-Mbyte Sun DIMM modules) of memory. ***NOTE: ONLY for X7004A compatible Workgroup Servers E450 and E250 *** FIELD INSTALLED Customer returns: Qualified competitive or Sun server system(s) including chassis	CU-CONSL-512MB [1,2]
Server consolidation trade-in of qualifying Sun or non-SUn workgroup server system for 512-Mbyte (4x128-Mbyte Sun DIMM modules) of memory. ***NOTE: ONLY for X7004A compatible Workgroup Servers E450 and E250 *** FACTORY INSTALLED Customer returns: Qualified competitive or Sun server system(s) including chassis	CUCONSLFA-512MB [1,2]
Server consolidation trade-in of qualifying Sun or non-SUn workgroup server system for 1024-Mbyte (4x256-Mbyte Sun DIMM modules) of memory. ***NOTE: ONLY for X7005A compatible Workgroup Server E450 *** FIELD INSTALLED Customer returns: Qualified competitive or Sun server system(s) including chassis	CU-CONSL-A25-1GB [1,3]

For Consolidation on E450

| Server consolidation trade-in of qualifying Sun or non-SUn workgroup server system for 1024-Mbyte (4x256-Mbyte Sun DIMM modules) of memory. ***NOTE: ONLY for X7005A compatible Workgroup Server E450 *** FACTORY INSTALLED Customer returns: Qualified competitive or Sun server system(s) including chassis | CUCONSLFA-A25-1GB [1,3] |

Footnote

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

2. *Only for 7004A-compatible workgroup servers, Sun Enterprise 450 and Sun Enterprise 250.*

3. *Only for X7005A-compatible workgroup server, Sun Enterprise 450.*

Server Consolidation Trade-In Program *(continued)*

Description	Order Number
For Consolidation on E250 - Factory Installed Components	
Consolidation upgrade from Competitive workgroup server or Sun platform to 400MHz/2MB e-cache CPU FACTORY INSTALLED Customer returns: *One competitive server chassis or Sun system with CPU and board	CUCONSLFA-A26M1194 [1]
For Consolidation on E250 - Field Installed Components	
Competitive consolidation trade-in for 400MHz CPU with 2MB e-cache UltraSPARC II. FIELD INSTALLED. Customer returns: *Competitive chassis with CPU.	CU-CONSL-A26-M1194 [1]
Competitive consolidation trade-in for 300MHz CPU with 2MB e-cache UltraSPARC II. Field installed. Customer returns: *One competitive CPU module or CPU	CU-CONSL-A26-M1191 [1]
For Consolidation on E450 - Factory Installed Components	
Consolidation upgrade from competitive CPU/board or Sun platform to 400MHz/4MB e-cache CPU module for the E450 server Customer returns: *One competitive CPU module or board or Sun module or system	CUCONSLFA-A25M2244 [1]
For Consolidation on E450 - Field Installed Components	
Competitive consolidation trade-in for 300MHz CPU with 2MB e-cache UltraSPARC II and dc/dc converter. Field Installed. Customer returns: *One competitive CPU module or CPU	CU-CONSL-A25-M2240 [1]
Competitive Consolidation Trade In from Competitive CPU/ board and receive 400MHz/4MB ecache module & DC/DC conv Customer returns: * One comopetitive CPU module or board	CU-CONSL-A25-M2244 [1]

Footnote

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

Server Consolidation Trade-In Program *(continued)*

Description	Order Number

For Consolidation on E220R or E420R - Factory Installed Components

Competitive consolidation upgrade of non-Sun category 2 or 3 and qualifying Sun systems to a UltraSPARC-II 450MHz processor module with 4MB cache for either the E220R or E420R rack servers Factory Installed Customer Returns: Complete non-Sun or qualifying Sun system including CPU, memory and drive

CUCONSLFA-A3XM450 [1]

For Consolidation on E220R or E420R - Field Installed Components

Competitive consolidation upgrade of non-Sun category 2 or 3 and qualifying Sun systems to a UltraSPARC-II 450MHz processor module with 4MB cache for either the E220R or E420R rack servers Field Installed Customer Returns: Complete non-Sun or qualifying Sun system including CPU, memory and drive

CU-CONSL-A3XM450

Server Consolidation Trade-In Program *(continued)*

Description	Order Number
For Consolidation on Netra t 1120/1125/1400/1405 - Factory Installed Components	
Trade-in qualified non-Sun server or Sun server for 440MHz UltraSPARC -II/4MB ecached CPU installed in the Netra t 1120, 1125, 1400, or 1405 telco servers. Factory Installed Only Customer Returns: Complete quali- fied non-Sun or Sun server with CPUs, memory, and drives.	CUCONSLFA-M1197
For Consolidation on Netra t 1120/1125/1400/1405 - Field Installed Components	
Trade-in qualified non-Sun server or Sun server for 440MHz UltraSPARC -II/4MB ecached CPU installed in the Netra t 1120, 1125, 1400, or 1405 telco servers. Field Installed Customer Returns: Complete quali- fied non-Sun or Sun server with CPUs, memory, and drives.	CU-CONSL-M1197

Server Consolidation Trade-In Program *(continued)*

Description	Order Number

For Consolidation towards new E3500 and E4500 Base Packages

Consolidation to Enterprise 3500 Server Base Package, w/ tower enclosure, one SunCD 32, two Power/Cooling Modules, two CPU/Memory Board, four 400MHz/8MB UltraSPARC Modules, two 1 GB mem- memory options, one SBus I/O Bd, Solaris Server License. Customer returns: Qualifed Competitive Server System w/min. config. Each system should contain: System enclosure, CPU and System board, memory and internal peripherals.

CU-CNSL-E3502-C84 [1]

Consolidation from Qualified Server system to Enterprise 4500 Server Base Pkg including Standalone Enclosure, one SunCD 32, three Power/Cooling Modules, two CPU/Memory Bds, four 400-MHz/8-MB UltraSPARC Modules, 4 1-GB Memory Options, 2 SBus I/O Board, Solaris Server License. Customer Returns: Qualified Competitive Server System w/min. config. Each system should contain: System enclosure, CPU and System board, memory and internal peripherals.

CU-CNSL-E4502-C84 [1]

For Consolidation on E3X00 and E4X00 - Factory Installed Components

Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board, 1GB memory, and 2 336MHz/4MB CPU's -Factory Installed ONLY Customer returns: Qualified Competitive or Sun Server system including Chassis.

CU-CNSLFA-2602-P62 [1]

Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board, 1GB memory, and 2 400MHz/8MB CPU's -Factory Installed ONLY Customer returns: Qualified Competitive or Sun Server system including Chassis.

CU-CNSLFA-2602-P82 [1]

Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board (2602) and 256MB memory -FACTORY Installed Customer returns: Qualified Competitive or Sun Server system including Chassis.

CUCNSLFA256MB-2602 [1]

Footnotes

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

2. *Please see the CTO Consolidation Upgrade section flow sheet for additional details.*

Server Consolidation Trade-In Program *(continued)*

Description	Order Number
For Consolidation on E3X00 and E4X00 - Factory Installed Components *(contineud)*	
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board (2602) and 1GB memory -FACTORY Installed Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSLFA-1GB-2602 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CTO CPU/Memory Brd (2602) and 1GB memory Configure To Order-Field Installed Customer returns: Qualified Competitive or Sun Server system including Chassis. NOTE: RMA KIT REQUIRED FOR EACH QUALIFYING SYSTEM BEING RETURNED	CU-CNSL-1GB-C2602 [2]
Server Consolidation Trade In from Competitive or Sun CPU Module/Board and receive one 336-MHz/4-MB UltraSPARC CPU Module -FACTORY INSTALLED Customer returns: Qualifed competitive or Sun server CPU module/Board	CU-CONSL-E6K-M2560 [1]
Server Consolidation Trade In from Competitive or Sun server(s) and receive one 400-MHz/8MB UltraSPARC CPU Module -FACTORY INSTALLED Customer returns: Qualified competitive or Sun server(s)	CU-CONSOLFA-M2580 [1]

Footnotes

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

2. *Please see the CTO Consolidation Upgrade section flow sheet for additional details.*

Server Consolidation Trade-In Program *(continued)*

Description	Order Number

For Consolidation on E3X00 and E4X00 - Field Installed Components

Description	Order Number
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board, 1GB memory, and 2 336MHz/4MB CPU's -Field Installed ONLY Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSL-2602-P62 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board, 1GB memory, and 2 400MHz/8MB CPU's -Field Installed ONLY Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSL-2602-P82 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board (2602) and 256MB memory -Field Installed Customer returns: Qualified Competitiveor Sun Server system including Chassis. NOTE: RMA KIT REQUIRED FOR EACH QUALIFYING SYSTEM BEING RETURNED	CU-CONSL-256MB2602 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board (2602) and 1GB memory -Field Installed Customer returns: Qualified Competitive or Sun Server system including Chassis. NOTE: RMA KIT REQUIRED FOR EACH QUALIFYING SYSTEM BEING RETURNED	CU-CONSL-1GB-2602 [1]
Server Consolidation Trade In from Competitive or Sun CPU Module/Board and receive one 250-MHz/4-MB UltraSPARC CPU Module (field installed) Customer returns: Qualified competitive or Sun server CPU module/board NOTE: RMA KIT REQUIRED FOR EACH SYSTEM BEING RETURNED	CU-CONSL-M2550 [1]
Server Consolidation Trade In from Competitive or Sun CPU Module/Board and receive one 336-MHz/4MB UltraSPARC CPU Module -FIELD INSTALLED Customer returns: Qualified competitive or Sun server CPU module/board NOTE: A RMA KIT IS REQUIRED FOR EACH QUALIFYING SYSTEM BEING RETURNED	CU-CONSL-M2560 [1]
Server Consolidation Trade In from Competitive or Sun server(s) and receive one 400-MHz/8MB UltraSPARC CPU Module -FIELD INSTALLED Customer returns: Qualified competitive or Sun server(s)	CU-CONSOL-M2580 [1]

Footnote

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

Server Consolidation Trade-In Program *(continued)*

Description	Order Number

For Consolidation towards new E5500 and E6500 Base Packages

Description	Order Number
Consolidation Upgrade from Qualifed Server System to Enterprise 5500 w/data center sys. cabinet, 1 SunCD 32, 4 400MHz/8MB CPU's, 4 1-GB memory options, 3 Power/Cooling Modules, 2 CPU/Mem. boards, 2 SBus I/O Bds w/ FC-AL sockets and Solaris Server License Customer must return: Qualified Competitive Server System w/min. config. Each system should contain: System enclosure, CPU and System Board, memory and internal peripherals.	CU-CNSL-E5502-C84 [1]
Consolidation Upgrade from Qualifed Server System to Enterprise 6500 System Cabinet, 1 SunCD 32, 4 400MHz/8MB CPU's, 4 1-GB memory options, 3 Power/Cooling Modules, 2 CPU/Mem. boards, 2 SBus I/O Bds w/ FC-AL sockets and Solaris Server License Customer must return: Qualified Competitive Server System w/min. config. Each system should contain: System enclosure, CPU and System Board, memory and internal peripherals.	CU-CNSL-E6502-C84 [1]

For Consolidation on E5X00 and E6X00 - Factory Installed Components

Description	Order Number
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board, 1GB memory, and 2 336MHz/4MB CPU's -Factory Installed ONLY Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSLFA-2602-P62 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board, 1GB memory, and 2 400MHz/8MB CPU's -Factory Installed ONLY Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSLFA-2602-P82 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board (2602) and 256MB memory -FACTORY Installed Customer returns: Qualified Competitive or Sun Server system including Chassis.	CUCNSLFA256MB-2602 [1]

Footnotes

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

2. *Please see the CTO Consolidation Upgrade section flow sheet for additional details.*

Server Consolidation Trade-In Program *(continued)*

Description	Order Number

For Consolidation on E5X00 and E6X00 - Factory Installed Components *(continued)*

Description	Order Number
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board (2602) and 1GB memory -FACTORY Installed Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSLFA-1GB-2602 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CTO CPU/Memory Brd (2602) and 1GB memory Configure To Order-Field Installed Customer returns: Qualified Competitive or Sun Server system including Chassis. NOTE: RMA KIT REQUIRED FOR EACH QUALIFYING SYSTEM BEING RETURNED	CU-CNSL-1GB-C2602 [2]
Server Consolidation Trade In from Competitive or Sun CPU Module/Board and receive one 336-MHz/4-MB UltraSPARC CPU Module -FACTORY INSTALLED Customer returns: Qualifed competitive or Sun server CPU module/Board	CU-CONSL-E6K-M2560 [1]
Server Consolidation Trade In from Competitive or Sun server(s) and receive one 400-MHz/8MB UltraSPARC CPU Module -FACTORY INSTALLED Customer returns: Qualified competitive or Sun server(s)	CU-CONSOLFA-M2580 [1]

Footnotes

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

2. *Please see the CTO Consolidation Upgrade section flow sheet for additional details.*

Server Consolidation Trade-In Program *(continued)*

Description	Order Number
For Consolidation on E5X00 and E6X00 - Field Installed Components	
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board, 1GB memory, and 2 336MHz/4MB CPU's -Field Installed ONLY Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSL-2602-P62 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board, 1GB memory, and 2 400MHz/8MB CPU's -Field Installed ONLY Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSL-2602-P82 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board (2602) and 256MB memory -Field Installed Customer returns: Qualified Competitiveor Sun Server system including Chassis. NOTE: RMA KIT REQUIRED FOR EACH QUALIFYING SYSTEM BEING RETURNED	CU-CONSL-256MB2602 [1]
Server Consolidation Trade-in from qualified competitive or Sun server and receive one CPU/Memory Board (2602) and 1GB memory -Field Installed Customer returns: Qualified Competitive or Sun Server system including Chassis. NOTE: RMA KIT REQUIRED FOR EACH QUALIFYING SYSTEM BEING RETURNED	CU-CONSL-1GB-2602 [1]
Server Consolidation Trade In from Competitive or Sun CPU Module/Board and receive one 250-MHz/4-MB UltraSPARC CPU Module (field installed) Customer returns: Qualified competitive or Sun server CPU module/board NOTE: RMA KIT REQUIRED FOR EACH SYSTEM BEING RETURNED	CU-CONSL-M2550 [1]
Server Consolidation Trade In from Competitive or Sun CPU Module/Board and receive one 336-MHz/4MB UltraSPARC CPU Module -FIELD INSTALLED Customer returns: Qualified competitive or Sun server CPU module/board NOTE: A RMA KIT IS REQUIRED FOR EACH QUALIFYING SYSTEM BEING RETURNED	CU-CONSL-M2560 [1]
Server Consolidation Trade In from Competitive or Sun server(s) and receive one 400-MHz/8MB UltraSPARC CPU Module -FIELD INSTALLED Customer returns: Qualified competitive or Sun server(s)	CU-CONSOL-M2580 [1]

Footnote

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

Server Consolidation Trade-In Program *(continued)*

Description	Order Number

For Server Consolidation on E3X00 - E6X00 to receive COD Building Block

Description	Order Number
Server Consolidation Trade-in from qualified competitive or Sun server and receive two CPU/Memory Board, 4 1GB options, and 4 400MHz/8MB CPU's and 1 PCM. -Factory Installed ONLY (CAPACITY-ON-DEMAND ONLY) Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSLFA-P84A-COD
Server Consolidation Trade-in from qualified competitive or Sun server and receive two CPU/Memory Board, 4 1GB options, and 4 400MHz/8MB CPU's -Factory Installed ONLY (CAPACITY-ON-DEMAND ONLY) Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSLFA-P84B-COD
Server Consolidation Trade-in from qualified competitive or Sun server and receive two CPU/Memory Board, 4 1GB options, and 4 400MHz/8MB CPU's and 1 PCM. -Field Installed ONLY (CAPACITY-ON-DEMAND ONLY) Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSL-P84A-COD
Server Consolidation Trade-in from qualified competitive or Sun server and receive two CPU/Memory Board, 2 2GB options, and 4 400MHz/8MB CPU's and 1 PCM. -Factory Installed ONLY (CAPACITY-ON-DEMAND ONLY) Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSLFA-P85A-COD
Server Consolidation Trade-in from qualified competitive or Sun server and receive two CPU/Memory Board, 2 2GB options, and 4 400MHz/8MB CPU's -Factory Installed ONLY (CAPACITY-ON-DEMAND ONLY) Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSLFA-P85B-COD
Server Consolidation Trade-in from qualified competitive or Sun server and receive two CPU/Memory Board, 2 2GB options, and 4 400MHz/8MB CPU's and 1 PCM. -Field Installed ONLY (CAPACITY-ON-DEMAND ONLY) Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSL-P85A-COD
Server Consolidation Trade-in from qualified competitive or Sun server and receive Right-To-Use one COD CPU/Memory board on Enterprise EXX00 Servers. Field Install ONLY (CAPACITY-ON-DEMAND ONLY) Customer returns: Qualified Competitive or Sun Server system including Chassis.	CU-CNSL-P82A-RTU

Server Consolidation Trade-In Program *(continued)*

Description	Order Number
For Consolidation towards E10000 Total System Package	
Server Consolidation Trade In from qualified competitive or Sun Server to an E10K Total System Bundle(TS1) including E10000-D,2 2722A Control boards, 8 2861A Pwr Exp Boards, 1 2754A SSP,2 SG-ARY154A-72GR4 D1000 Boot Trys,2 1049A QFE,2 1065A UDWIS SOLZ-080B9AY9,4 3865A System Pwr cords,1 3800A pwr Cord, 2 3855A Pwr cords for A3500FC - DOMESTIC Customer Returns: Qualified competitive or Sun server systems (minimum working configuration Rqd) Note: CU-CONSOL-RMA must be ordered in same ship set.	CU-CNSL-E10000-TS1 [1]
For Consolidation towards Power Express E10000	
Server Consolidation Trade In from qualified competitive or Sun Server to an E10000 Power Express System base cabinet which includes: 8 power supplies (9685A), 4 AC Input Modules (3875A), 16 fan trays (9671A) Customer Returns: Qualified competitive or Sun server system(s) (minimum working configuration Rqd) Note: CU-CONSOL-RMA must be ordered in same ship set.	CU-CONSL-E10000-D [1]

Footnote

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

Server Consolidation Trade-In Program *(continued)*

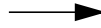| Description	Order Number
For Consolidation on E10000 - Factory Installed Components	
Server Consolidation Trade In from qualified competitive or Sun Server.Receive one Enterprise 10000 2761A System board. FACTORY INSTALLED Customer returns: Qualified competitive or Sun server system(s) including chassis	CU-CONSOLFA-2761A [1]
Server Consolidation Trade-in from Competitive or Sun memory board & memory and receive one E10K Memory board (7025A) and 512MB memory -Factory Installed Customer returns: Qualified Competitive or Sun Server memory board and memory	CU-CNSLFA10MB512MB [1]
Server Consolidation Trade-in from Competitive or Sun memory board & memory and receive one E10K Memory board (7025A) and 2GB memory -FACTORY Installed Customer returns: Qualified Competitive or Sun Server memory board and memory	CU-CNSLFA10MB2GB [1]
Server Consolidation Trade In from Competitive or Sun CPU Module/Board and receive one 336-MHz/4-MB UltraSPARC CPU Module -FACTORY INSTALLED (For E10000) Customer returns: Qualifed competitive or Sun server CPU module/Board	CU-CNSL-E10K-M2560 [1]
Server Consolidation Trade In from Competitive or Sun server(s) and receive one 400-MHz/8MB UltraSPARC CPU Module -FACTORY INSTALLED Customer returns: Qualified competitive or Sun server(s)	CU-CONSOLFA-M2580 [1]
Trade-in qualified server(s) per Consolidation Trade-in Progrm to an Power express board for E10K. Includes one system board(2761A), 4 UltraSPARC modules 400MHz-8-Mbyte (2580A), 2GB Memory(7023A) Memory Board(7025A), 1 dual SBus I/O board(2730A)-FACTORY INSTALLED Customer returns: Qualified servers per Consolidation Trade-in program requirements	CU-CONSLFA-2861A [1]

Footnote

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

Server Consolidation Trade-In Program *(continued)*

Description	Order Number

For Consolidation on E10000 - Field Installed Components

Description	Order Number
Server Consolidation Trade In from qualified competitive or Sun Server.Receive one Enterprise 10000 2761A System board(field installed) **CONFIGURE TO ORDER** Customer returns: Qualified competitive or Sun server system(s) including chassis	CU-CONSOL-C2761A [1,2]
Trade-in qualified server(s) per Consolidation Trade-in Progrm to an Power express board for E10K. Includes one system board(2761A), 4 UltraSPARC modules 400MHz-8-Mbyte (2580A), 2GB Memory(7023A) Memory Board(7025A), 1 dual SBus I/O board(2730A) Customer returns: Qualified servers per Consolidation Trade-in program requirements	CU-CONSL-C2861A [1]
Server Consolidation Trade-in from Competitive or Sun memory board & memory and receive one E10K Memory board (7025A) and 512MB memory -Field Installed Customer returns: Qualified Competitive or Sun Server memory board and memory	CU-CONSOL10MB512MB [1]
Server Consolidation Trade-in from Competitive or Sun memory board & memory and receive one E10K Memory board (7025A) and 2GB memory -Field Installed Customer returns: Qualified Competitive or Sun Server memory board and memory	CU-CONSOL10MB2GB [1]
Server Consolidation Trade In from Competitive or Sun CPU Module/Board and receive one 250-MHz/4-MB UltraSPARC CPU Module (field installed) Customer returns: Qualified competitive or Sun server CPU module/board NOTE: RMA KIT REQUIRED FOR EACH SYSTEM BEING RETURNED	CU-CONSL-M2550 [1]
Server Consolidation Trade In from Competitive or Sun CPU Module/Board and receive one 336-MHz/4MB UltraSPARC CPU Module -FIELD INSTALLED Customer returns: Qualified competitive or Sun server CPU module/board NOTE: A RMA KIT IS REQUIRED FOR EACH QUALIFYING SYSTEM BEING RETURNED	CU-CONSL-M2560 [1]
Server Consolidation Trade In from Competitive or Sun server(s) and receive one 400-MHz/8MB UltraSPARC CPU Module -FIELD INSTALLED Customer returns: Qualified competitive or Sun server(s)	CU-CONSOL-M2580 [1]

Footnotes

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

2. *Please note: The family name (UG-E10000-CTO) must be selected when entering a CTO upgrade order via Sun's order entry process.*

Ordering Flow Chart for Upgrades to E10000 Capacity-On-Demand Server Consolidation

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

Step 1 - required

Consolidation Base Package Minimum of one per order.	CU-CONSL-E10K-C - *Sun Enterprise 10000 Capacity-On-Demand System Consolidation Base Package*

Step 2- required

Capacity-On-Demand System Board Package Mimimum of five per order	CU-CONSL-2860A - *Sun Enterprise 10000 Capacity-On-Demand System Consolidation Board Package*

Step 3- required
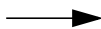
Software	SOLMS-070WD999 - *Solaris 7 media kit contains System Service Processor 3.1.1 software* E10000-SW-COD-1.0 - *E10000 Capacity-On-Demand software v1.0 for web release and all documentation*

Step 4- optional

|	
Consolidation RTU CPUs for E10000-C Base Package Only Note: Maximum of 8 additional RTU Licences per earned eight points of Consolidation Trade-In program.	CU-CNSL-10KRTU-TR1 - *Order for additional RTU CPU licenses for CU-CONSL-E10K-C, up to 20 RTU licenses (note: CU-CONSL-E10K-C includes 8 RTU CPU Licenses)*

Step 5 - required

Minimum of one per order.	2722A - *Control Board, with Ethernet Hub* 2754A- *System Service Processor (Ultra 5)* **OR:** 2755A- *System Service Processor (E250)* 3865A - *Power Cord, U.S. Version* **OR:** 3851A - *Power Cord, International Version*

Step 6- optional
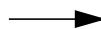
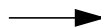|	
	Various Part Numbers - *Internal Disk Storage Options* Various Part Numbers - *Interface and Host Adapters* Various Part Numbers - *Power Control Module/ second AC sequencer*

Step 7 - required

	CU-CONSOL-RMA - *Order quantity must be EQUAL to the quantity of servers trading into Sun.*

Step 8 - required

Submit Configuration to DHPG SalesDesk, with E10000 Configuration Diagram. Http://sales-desk.West/

E10000 Capacity-On-Demand Server Consolidation

Description	Order Number

For Consolidation on E10000 - Factory Installed Components

Consolidation Trade-in Program qualified server(s) to an Sun Enterprise 10000 capacity-, on-demand base cabinet includes: 5 power supplies (9685A), 4 AC Input Modules (3875A), 16 fan trays (9671A) and a RTU license to use 8 UltraSPARCII 400MHz 8-Mbyte Modules Consolidation Trade-in Prgm Servers w/chassis(s) and mimimum system components. Note: CU-CONSOL-RMA be ordered in qty equal to qty of servers trading-in to Sun

CU-CONSL-E10K-C [1]

Consolidation Trade-in Program qualified server(s) traded-in for Sun Enterprise 10000 capacity-, on-demand system board package: 1 system boards (2761A), 4 USII modules 400MHz-8Mbyte external cache (2580A), 2GB Memory (7023A), 1 Memory Boards (7025A), 1 dual SBus I/O Boards (2730A), Does NOT include any RTU CPU Licenses-Order Separately-FACTORY CONFIGURED ONLY in base package. Customer Returns:Server Consolid. Trade-in Program qualified servers Order CU-CONSOL-RMA = qty Svrs

CU-CONSL-2860A [1]

Consolidation Trade-in Program qualified server(s) traded-in for Sun Enterprise 10000 capacity-, on-demand system board package: 1 system boards (2761A), 4 USII modules 400MHz-8Mbyte external cache (2580A), 2GB Memory (7023A), 1 Memory Boards (7025A), 1 dual SBus I/O Boards (2730A), Does NOT include any RTU CPU Licenses-Order Separately-FIELD INSTALLED ONLY Customer Returns:Server Consolid. Trade-in Program qualified servers Order CU-CONSOL-RMA = qty Svrs

CU-CONSL-C2860A [1]

Consol trade-in Prgrm qualified server traded-in toward one Enterprise 10000 RTU license for one 400MHz 8-MByte USII module. For an additional CPU license to the E10000-C system cabinet, up to 20 CPU RTU licenses Customer Returns: Qualifed servers per Server Consolidation Trade-in Program terms Required to order CU-CONSOL-RMA in qty = qty of servers traded-in
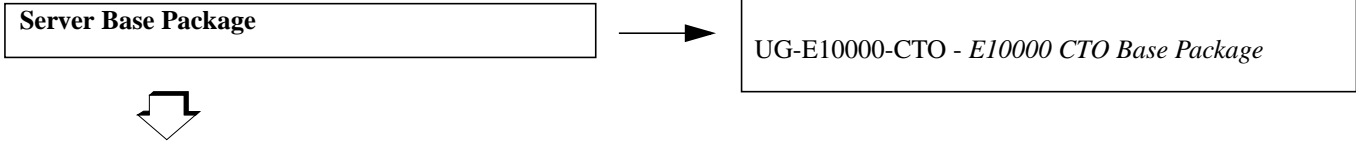
CU-CNSL-10KRTU-TR1 [1]

Footnote

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*

E10000 Capacity-On-Demand Server Consolidation *(continued)*

Description	Order Number

For Consolidation on E10000 - Factory Installed Components *(continued)*

Description	Order Number
Consol trade-in Prgrm qualified server traded-in toward one Enterprise 10000 RTU license for one 400MHz 8-MByte USII module. For an additional CPU license to the E10000-C system cabinet, beyond 20 CPU RTU licenses Customer Returns: Qualifed servers per Server Consolidation Trade-in Program terms Required to order CU-CONSOL-RMA in qty = qty of servers traded-in	CU-CNSL-10KRTU-TR2 [1]

Footnote

1. *The Consolidation Return Materials Authorization (RMA) (CU-CONSOL-RMA) kit must be ordered equal to the quantity of qualified servers being returned to Sun. RMA kit(s) must be in the same ship-set as the upgrade.*
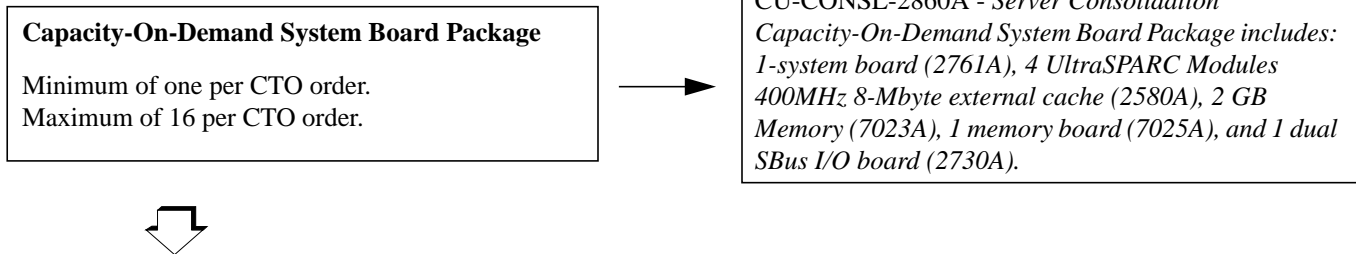
Enterprise 10000 Server Consolidation Capacity-On-Demand CTO Upgrade Flow Chart

Each step represents a **required/recommended** line item on a Sales Order
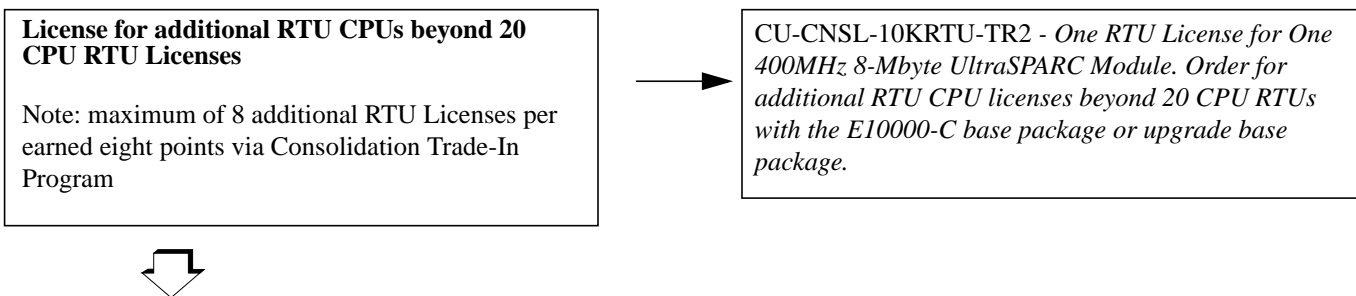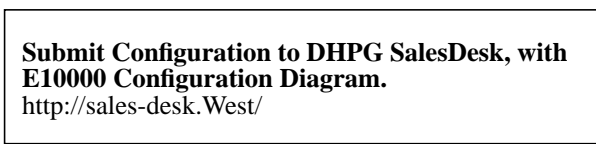
Step 1 - required

Server Base Package

→ UG-E10000-CTO - *E10000 CTO Base Package*

Step 2 - required

Capacity-On-Demand System Board Package

Minimum of one per CTO order.
Maximum of 16 per CTO order.

→ CU-CONSL-2860A - *Server Consolidation Capacity-On-Demand System Board Package includes: 1-system board (2761A), 4 UltraSPARC Modules 400MHz 8-Mbyte external cache (2580A), 2 GB Memory (7023A), 1 memory board (7025A), and 1 dual SBus I/O board (2730A).*

Step 3 - optional

License for additional RTU CPUs beyond 20 CPU RTU Licenses

Note: maximum of 8 additional RTU Licenses per earned eight points via Consolidation Trade-In Program

→ CU-CNSL-10KRTU-TR2 - *One RTU License for One 400MHz 8-Mbyte UltraSPARC Module. Order for additional RTU CPU licenses beyond 20 CPU RTUs with the E10000-C base package or upgrade base package.*

Step 4 - required

Submit Configuration to DHPG SalesDesk, with E10000 Configuration Diagram.
http://sales-desk.West/

Enterprise 10000 Server Consolidation Capacity-On-Demand CTO Upgrade Guidelines

General Comments

- Configure-to-Order allows Enterprise 10000 Capacity-On-Demand systems in the field to be expanded using pre-tested System Boards package which includes: 1 system board (2761A), 4 UltraSPARC Modules 400MHz 8-Mbyte external cache (2580A), 2 GB Memory (7023A), 1 memory board (7025A), and 1 dual SBus I/O board (2730A) when consolidating/trading-in multiple servers.

- SBus or PCI adapters are not supported with this process.

- This is an alternative to ordering these components separately, as field installed options, and assembling and testing at the customer's site.

Consolidation Capacity-On-Demand System Upgrade Board Package

- Capacity-On-Demand System Upgrade Board Package includes: 1 system board (2761A), 4 UltraSPARC Modules 400MHZ 8-Mbyte external cache (2580A), 2 GB Memory (7023A), 1 memory board (7025A), and 1 dual SBus I/O board (2730A).

- Capacity-On-Demand CTO system board orders can be installed without any RTU CPU licenses and do not include any RTU-CPU licenses.

Consolidation CPU Licensing for Capacity-On-Demand Configure-to-Order Boards

- Order CU-CNSL-10KRTU-TR1 for additional CPU licenses from 9-20 RTU CPUs for E10000-C base package (note: E10000-C base package includes 8 RTU CPU licenses). Note: Maximum of 8 RTU's per 8 points achieved.

- Order CU-CNSL-10KRTU-TR2 for additional CPU licenses beyond 20 RTU CPU licenses for E10000-C base package. Note: Maximum of 8 RTU's per 8 points achieved.

- Must order CU-CONSOL-RMA in quantity EQUAL to quantity of servers trading-in.

DHPG Sales Desk

- The function of this organization is to check each Enterprise 10000 configuration for legitimacy and for satisfaction of customer's requirements (http://sales-desk/West/)

- Each Enterprise 10000 order must be accompanied by a configuration diagram that adds information missing from the order. For example: number of Domains, how the disk devices are connected to SBus boards, etc.

REQUIRED:

- Each Consolidation Trade-In Program order must include a proposal page obtained by using the Consolidation Trade-In Calculator at: http://edss.corp/attackpack/consolidate/expand/

Disk Arrays

StorEdge A1000 Upgrades

Description	Order Number
Upgrades to Sun StorEdge A1000 Tabletop/Deskside	
Upgrade, 36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop/Deskside with 1 HW RAID Controller Card, 2 Power supplies, 2 fan trays (4fans), 2 Differential UltraSCSI to host ports Customer Returns: SPARCstorage Array 1xx system or Multipack disk with minimum of 10GB of disk -OR - 15-GBs of individual disk of 1.05G or greater	UG-A1000-36G-10K
Upgrade, 109-Gbyte (12 x 9.1-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop/Deskside with 1 HW RAID Controller, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports Customer Returns: One SPARCstorage Array 1xx system or Multipack with minimum of 20-GB of disk -OR- 25-GBs of individual disk of 1.05-GB or greater no floppies).	UG-A1000-109G-10K[1]
Upgrade to Sun StorEdge A1000, 72GB (4 x 18GB/10K rpm). Tabletop or Deskside w/ one HW RAID controller, 2 power supplies and 2 fan trays(4 fans). 2 UltraSCSI-differ- ential ports, 24MB std. cache. Customer Returns: Either SSA 1xx or Sun Multipack with 20GB of disk storage OR 25GB of individual disk storage of 1.05GB or greater (no floppies).	UG-A1K-72G-18G10K
Upgrade, 218-Gbyte (12 x 18.2-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop or Deskside with 1 HW RAID Controller, 24MB std cache,2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports Customer Returns: One SPARCstorage Array 1xx system or Multipack with minimum of 20-GB of disk -OR- 25-GBs of individual disk of 1.05-GB or greater no floppies).	UG-A1K-218G-18G10K [1]
Upgrade to Sun StorEdge A1000 145GB (4 x 36.4GB/10K rpm). Tabletop or Deskside w/ one HW RAID controller, 2 power supplies and 2 fan trays(4 fans). 2 UltraSCSI-differ- ential ports, 24MB std. cache. Customer Returns: Either SSA 1xx or Sun Multipack with 20GB of disk storage OR 25GB of individual disk storage of 1.05GB or greater (no floppies).	UG-A1K-145G-36G10K
Upgrade, 291-Gbyte (8 x 36.4-Gbyte 10K RPM disks) Sun StorEdge A1000 Tabletop or Deskside with 1 HW RAID Controller, 24MB std cache,2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports Customer Returns: One SPARCstorage Array 1xx system or Multipack with minimum of 20-GB of disk -OR- 25-GBs of individual disk of 1.05-GB or greater no floppies).	UG-A1K-291G-36G10K [1]

General Notes
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote
1. *Standard Configurations are Sun's recommended configurations.*

StorEdge A1000 Upgrades *(continued)*

Description	Order Number
Upgrades to Sun StorEdge A1000 Rackmountable Only	
Upgrade, 36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge A1000 for rack mounting in the StorEdge of Enterprise Expansion Racks w/1 HW RAID Controller, 2 Power supplies, 2 fantrays (4fans), 2 Differential UltraSCSI to host ports Customer Returns: One SPARCstorage Array 1xx system	UG-A1000-36G-RK-2
Upgrade to Sun StorEdge A1000 72GB (4 x 18.2 10,000 rpm disks) for rackmounting in the StorEdge or Enterprise Expansion Racks w/ one HW RAID Controller, 2 Power supplies, 2 fan trays (4 fans), 2 Differential UltraSCSI ports Customer Returns: Sun SPARCstorage Array 1xx or Sun Multipack with a minimum of 20-Gbytes of disk storage OR 25-Gbytes of individual disk storage of 1.05-Gbytes or greater. (no floppies).	UG-A1K-72G-18G-RK
Upgrade to Sun StorEdge A1000 145GB (4 x 36.4 10,000 rpm disks) for rackmounting in the StorEdge or Enterprise Expansion Racks w/ one HW RAID Controller, 2 Power supplies, 2 fan trays (4 fans), 2 Differential UltraSCSI ports Customer Returns: Sun SPARCstorage Array 1xx or Sun Multipack with a minimum of 20-Gbytes of disk storage OR 25-Gbytes of individual disk storage of 1.05-Gbytes or greater. (no floppies).	UG-A1K-145G-RK
Upgrades to Sun StorEdge A1000 Rackmountable Only - Factory Installed	
Upgrade to Sun StorEdge A1000 145GB (4 x 36.4 10,000 rpm disks) for Factory Configured into StorEdge Expansion Rack with one HW RAID Controller, 2 Power supplies, 2 fan trays (4 fans), 2 Differential UltraSCSI ports Customer Returns: Sun SPARCstorage Array 1xx or Sun Multipack with a minimum of 20-Gbytes of disk storage OR 25-Gbytes of individual disk storage of 1.05-Gbytes or greater. (no floppies).	UGFA-162A-145GR5[1]
Controller Board Upgrade for Sun StorEdge A1000	
Controller Upgrade to Sun StorEdge A1000 Controller, includes RAID Controller Board. Customer returns: Original Non-RAID Interface Board from Sun StorEdge D1000 system.	UG-A1000-CONTBD
StorEdge Expansion Rack for Sun StorEdge A1000	
Upgrade, StorEdge Expansion Rack for Sun StorEdge products A1000/D1000, A3000, A5000, and tape products. Rack is 24" wide by 72" tall. Includes power sequencers and power cables. Customer Returns: SSA 2XX Rack as part of the storage system trade-in	UG-A1000-RACK

General Notes
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote
1. *Order part number UG-RMA (RMA kit) as a separate line item on the sales order. This is required for factory installed storage systems.*

StorEdge D1000 Upgrades

Description	Order Number
Upgrades to Sun StorEdge D1000 Tabletop/Deskside	
Upgrade, 36-Gbyte (4 x 9.1-Gbyte 10K RPM disks) Sun StorEdge D1000 Tabletop or Deskside with 1 SW RAID Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports Customer Returns: One SPARCstorage Array or Multipack system with 10-GB of disk minimum, -OR- 15-GBs of individual disk of 1.05GB or greater (no floppies).	UG-D1000-36G-10K
Upgrade to Sun StorEdge D1000, 72GB (4 x 18GB 10,000 RPM disks), Table- top or Deskside with one Interface card, 2 power supplies, 2 fan trays(4 fans), and 4 Differential UltraSCSI to host ports. Customer Returns: Sun SSA 1xx or Sun Multipack with a minimum of 20GB of disk storage OR 25GB of individual disk of 1.05GB or greater (no floppies).	UG-D1K-72G-18G10K
Upgrade to Sun StorEdge D1000 218GB (12x18.2GB 10000 RPM disks), Table- top or Deskside with one Interface card, 2 power supplies, 2 fan trays(4 fans), and 4 Differential UltraSCSI to host ports. Customer Returns: Sun SSA 1xx or Sun Multipack with a minimum of 20GB of disk storage OR 25GB of individual disk of 1.05GB or greater (no floppies).	UG-D1K-218G-18G10K [1]
Upgrade to Sun StorEdge D1000,145GB (4 x 36GB 10,000 RPM disks), Table- top or Deskside with one Interface card, 2 power supplies, 2 fan trays(4 fans), and 4 Differential UltraSCSI to host ports. Customer Returns: Sun SSA 1xx or Sun Multipack with a minimum of 20GB of disk storage OR 25GB of individual disk of 1.05GB or greater (no floppies).	UG-D1K-145G-36G10K
Upgrade to Sun StorEdge D1000 291GB (8x36.4GB 10000 RPM disks), Table- top or Deskside with one Interface card, 2 power supplies, 2 fan trays(4 fans), and 4 Differential UltraSCSI to host ports. Customer Returns: Sun SSA 1xx or Sun Multipack with a minimum of 20GB of disk storage OR 25GB of individual disk of 1.05GB or greater (no floppies).	UG-D1K-291G-36G10K [1]

General Notes
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote
1. *Standard Configurations are Sun's recommended configurations.*

StorEdge D1000 Upgrades *(continued)*

Description	Order Number
Upgrades to Sun StorEdge D1000 Rackmountable Only	
UPG, 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 SW RAID Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports Customer Returns: One SPARCstorage Array 1xx system	UG-D1000-36G-RK-2
Upgrade to Sun StorEdge D1000 72GB (4 x 18.2 10,000 rpm disks) for rackmounting in the StorEdge or Enterprise Expansion Racks w/ one Interface Card, 2 Power Supplies, 2 fantrays (4 fans), and 4 Differential UltraSCSI ports. Customer Returns: Sun SPARCstorage Array 1xx or Sun Multipack with a minimum of 20-Gbytes of disk storage OR 25-Gbytes of individual disk of 1.05-Gbytes or greater. (no floppies).	UG-D1K-72G-18G-RK
Upgrade to Sun StorEdge D1000 145GB (4 x 36.4 10,000 rpm disks) for rackmounting in the StorEdge or Enterprise Expansion Racks w/ one Interface Card, 2 Power Supplies, 2 fantrays (4 fans), and 4 Differential UltraSCSI ports. Customer Returns: Sun SPARCstorage Array 1xx or Sun Multipack with a minimum of 20-Gbytes of disk storage OR 25-Gbytes of individual disk of 1.05-Gbytes or greater. (no floppies).	UG-D1K-145G-RK
Upgrades to Sun StorEdge D1000 Rackmountable Only - Factory Installed	
Upgrade to Factory Configured with servers. 36GB (4x9.1GB, 10K disks) Sun StorEdge D1000 for rackmounting into Enterprise Expansion Rack with one Interface Card, 2 Power supplies, 2 fantrays (4fans), 4 Differential UltraSCSI to host ports Customer Returns: One SPARCstorage Array 1xx system or Multipack with 10-GBs of disk minimum -OR- 15-GBs of individual disk of 1.05GB or greater (no floppies).	UGFA-147A-36GR4[1]
Upgrade to Sun StorEdge D1000 145GB (4 x 36.4 10,000 rpm disks) for Factory Configured into StorEdge Expansion Rack with one HW RAID Controller, 2 Power supplies, 2 fan trays (4 fans), 2 Differential UltraSCSI ports Customer Returns: Sun SPARCstorage Array 1xx or Sun Multipack with a minimum of 20-Gbytes of disk storage OR 25-Gbytes of individual disk storage of 1.05-Gbytes or greater. (no floppies).	UGFA-164A-145GR5[1]
StorEdge Expansion Rack for Sun StorEdge D1000	
Upgrade, StorEdge Expansion Rack for Sun StorEdge products A1000/D1000, A3000, A5000, and tape products. Rack is 24" wide by 72" tall. Includes power sequencers and power cables. Customer Returns: SSA 2XX Rack as part of the storage system trade-in	UG-A1000-RACK

General Notes
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote
1. *Order part number UG-RMA (RMA kit) as a separate line item on the sales order. This is required for factory installed storage systems.*

A1000/D1000 Disk Upgrades

Description	Order Number
Disk Upgrades for Sun StorEdge A1000 or D1000	
UPG, Internal 9.1-Gbyte, 10000-rpm 1" high, UltraSCSI expansion hard drive with barrier plate. Customer Returns: 4-GBytes of Sun disk Storage of 1.05GB disk or greater. (no floppies)	UG-AX000-DISK-9G-2[1]
UPG, Internal 18.2-Gbyte, 10000-rpm 1" high, UltraSCSI expansion hard drive Customer Returns: 9-GBytes of Sun disk Storage of 1.05GB disk or greater. (no floppies)	UG-AX000-DISK-18G[2]
UPG, Internal 36.4-Gbyte, 10000-rpm 1" high, UltraSCSI expansion hard drive Customer Returns: 18-GBytes of Sun disk Storage of 1.05GB disk or greater. (no floppies)	UG-AX000-DISK-36G[3]

General Notes

- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes

1. *Supports the 12 slot chassis (9GB/10K, 1")*
2. *Supports the 12-slot chassis (18GB/10K, 1")*
3. *Supports the 8-slot chassis (36GB/10K, 1.6")*

StorEdge A3500 Upgrades

Description	Order Number

Upgrades to Sun StorEdge A3500 - Configure to order base options (no controller, minimum capacity)

Upgrade, 91-GB Sun StorEdge A3500 (10x9.1GB, 10K RPM drives) with 5 trays mounted in StorEdge expansion cabinet, redundant fans, drives and power supplies. FACTORY Installed. Customer Returns: One SPARCstorage Array 1xx or 2xx system with minimum of 25-GB of disk -OR- One RSM2000/A3000 system with 63GB of disk. *Need to order UG-RMA (RMA Kit) as a separate line item on same order

UGFA-A3500-91G[1,2]

UPGRADE, 182-GB Sun StorEdge A3500 (20x9.1GB, 10K RPM drives) with 7 trays mounted in StorEdge expansion cabinet, redundant fans drives and power supplies. FACTORY Installed. Customer Returns: One SPARCstorage Array 1xx or 2xx system with 20-Gbytes of disk -OR- One RSM2000/A3000 system with 63-GB of disk * Order UG-RMA as separate line item on same sales order. This is required for Factory Installed storage upgrade systems.

UGFA-A3500-182G[1,3]

Upgrade, Sun StorEdge A3500, 273-GB (30 x 9.1-GB, 10K-rpm drives) with 15 trays mounted in two StorEdge expansion cabinet, redundant fans, drives and power supplies. FACTORY Installed. Customer Returns: Two SPARCstorage Arrays 1xx with 40-GB disk, OR One SPARCstorage Array 2xx with 80-GB disk minimum, OR One RSM 2000/A3000 system with 63-GB of disk or greater. *Need to order UG-RMA (RMA kit) as separate line item on same order

UGFA-A3500-273G[1,4]

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes
1. *Order part number UG-RMA (RMA kit) as a separate line item on the sales order. This is required for factory installed storage systems.*
2. *One controller module must be ordered (6537A or UGFA-A3500-CTRL).*
3. *Two controller modules must be ordered (6537A or UGFA-A3500-CTRL).*
4. *Three controller modules must be ordered (6537A or UGFA-A3500-CTRL).*

StorEdge A3500 Upgrades *(continued)*

Description	Order Number
Upgrades to Sun StorEdge A3500 - Configure to order base options (no controller, minimum capacity)	
Upgrade to 182-G Sun StorEdge A3500 (10 x 18-GB, 10K-rpm), five disk trays mounted in a StorEdge expansion cabinet, redundant fans, drives and power supplies. FACTORY Installed. Base configuration. Customer Must Return: One SPARCstorage Array 11X or 2XX system with 40-GBs of dis, or One RSM2000/A3000 system with 63-GBs of disk *Need to order UG-RMA (RMA kit) as separate line item on same order	UG-A3500FC-182-10K[1,2]
Upgrade to 364GB 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. FACTORY Installed. Base configuration. Customer Must Return: Two Sun SPARCstorage Arrays 1xx systems with 40-GBs or One RSM 2xx system with 80-GBs of disk. *Need to order UG-RMA (RMA Kit) as a separate line item on same sales order. This is required.	UG-A3500FC-364-10K[1,3]
Upgrade, 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. FACTORY Installed. Base configuration. *Must order UG-RMA (RMA Kit) on same order. Customer Must Return: Four SPARCstorage Array 11x system with 25-GBs of disk, OR Two RSM 2XX systems with 50-GBs of disk, OR One RSM 2000/A3000 system with 63-GBs of disk minimum.	UG-A3500FC-546-10K[1,4]

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes
1. *Order part number UG-RMA (RMA kit) as a separate line item on the sales order. This is required for factory installed storage systems.*
2. *One controller module must be ordered (6537A or UGFA-A3500-CTRL).*
3. *Two controller modules must be ordered (6537A or UGFA-A3500-CTRL).*
4. *Three controller modules must be ordered (6537A or UGFA-A3500-CTRL).*

StorEdge A3500 Upgrades *(continued)*

Description	Order Number
Upgrades to Sun StorEdge A3500 - Configure to order base options (no controller, minimum capacity) *(continued)*	

Upgrade to 364GB Sun StorEdge A3500 (10 x 36.4-GB, 10K-rpm), five disk trays mounted in a StorEdge expansion cabinet, redundant fans, drives and power supplies. FACTORY Installed. Base configuration. Customer Must Return: Two SPARCstorage Arrays 11X or 2XX systems w/ 40-GBs of disk OR One RSM2000/A3000 system with 80-GBs of disk. *Need to order UG-RMA (RMA kit) as separate line item on same order — UGFA-A3500-364G[1,2]

Upgrade to 728GB Sun StorEdge A3500 (20 x 36.4-GB, 10K-rpm drives) 7 disk trays mounted in a StorEdge expansion cabinet, redundant fans, drives and power supplies. FACTORY Installed. Base configuration. Customer Must Return: Four SSA 1XX w/ 25GB OR Two SSA 2XX w/50GB OR One RSM2000/A3000 system with 63-GBs of disk. *Need to order UG-RMA (RMA Kit) as a separate line item on same sales order. This is required. — UGFA-A3500-728G[1,3]

Upgrade, 1092GB Sun StorEdge A3500 (30 x 36.4-GB, 10K-rpm drives) fifteen disk trays mounted in two StorEdge expansion cabinets, redundant fans, drives and power supplies. FACTORY Installed. Base configuration. *Must order UG-RMA (RMA Kit) on same order. Customer Must Return: Four SPARCstorage Array 11x system with 25-GBs of disk, OR Two RSM 2XX systems with 50-GBs of disk, OR One RSM 2000/A3000 system with 63-GBs of disk minimum. — UGFA-A3500-1092G[1,4]

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes
1. *Order part number UG-RMA (RMA kit) as a separate line item on the sales order. This is required for factory installed storage systems.*
2. *One controller module must be ordered (6537A or UGFA-A3500-CTRL).*
3. *Two controller modules must be ordered (6537A or UGFA-A3500-CTRL).*
4. *Three controller modules must be ordered (6537A or UGFA-A3500-CTRL).*

StorEdge A3500 Upgrades *(continued)*

Description	Order Number
Controller Board Upgrade for Sun StorEdge A3500	
Upgrade, Controller, StorEdge A3500 Storage Subsystem, Rackmount w/ 128MB cache memory (supports the D1000 trays); FACTORY Installed Customer Must Return: Sun RSM219, RSM2000 or StorEdge A3000 Controller.	UGFA-A3500-CTRL[1]
Upgrade, Controller, StorEdge A3500 Storage Subsystem, Rackmount w/ 128MB cache memory (supports the D1000 trays) Customer Must Return: Sun RSM219, RSM2000 or StorEdge A3000 Controller.	UG-A3500-CTRL

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote
1. *Order part number UG-RMA (RMA kit) as a separate line item on the sales order. This is required for factory installed storage systems.*

StorEdge A3500 Upgrades *(continued)*

Description	Order Number
Upgrades to Sun StorEdge A3500 - Complete configuration (includes controller, maximum capacity)	
Upgrade, 545-GB Sun StorEdge A3500 (60x9.1GB, 10K RPM drives) mounted in StorEdge expansion cabinet, two 12m USCSI cables, 1 controller module(2 cont. cards), redundant fans, drivesand power supplies Customer Returns: Three SPARCstorage Arrays 1xx systems with 20-GB disk minimum, -OR- One SPARCstorage 2xx system	UG-A3500-545G-10K[1,2]
Upgrade to 1092G Sun StorEdge A3500 (60 x 18-GB, 10K-rpm) w/USCSI host interface, five disk trays mounted in a StorEdge expansion cabinet, two 12m USCSI cables, 1 USCSI cont- roller module(2 controller cards) redundant fans, drives and power supplies. Customer Must Return: Four SPARCstorage Array 1XX with 25-GBs OR two SSA 2xx with 50GBs or RSM2000/A3000 system with 63-GBs of disk	UG-A3500SCSI-1092G[1,2]
Upgrade to 1456G Sun StorEdge A3500 (40x36.4GB, 10K-rpm) w/USCSI host interface, five disk trays mounted in a StorEdge expansion cabinet, two 12m USCSI cables, 1 USCSI cont- roller module(2 controller cards) redundant fans, drives and power supplies. Customer Must Return: Four SPARCstorage Array 1XX with 25-GBs OR two SSA 2xx with 50GBs or RSM2000/A3000 system with 200-GBs of disk	UG-A3500SCSI-1456G[1,2]

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes
1. *USCSI Host Interface included.*
2. *Standard Configurations are Sun's recommended configurations.*

StorEdge A3500 Upgrades *(continued)*

Description	Order Number
Upgrades to Sun StorEdge A3500 FC-AL	
Upgrade 545GB Sun StorEdge A3500FC-AL (60x9.1GB, 10K drives) w/ FC-AL host interface, 5 trays mounted in StorEdge expansion cabinet, two 25m fibre cables, 1 FC-AL controller module (2 Controller cards), redundant fans, drives and power supplies Customer Returns: Three SPARCstorage Arrays 1xx systems with 20-GB disk minimum, -OR- One SPARCstorage 2xx system with 80GB of disk minimum, -OR- One Sun RSM2000/A3000 system with	UG-A3500-FC-545G
Upgrade to 1092G Sun StorEdge A3500 (60 x 18-GB, 10K-rpm) w/FC-AL host interface, five disk trays mounted in a StorEdge expansion cabinet, two 25m USCSI cables, 1 FC-AL cont- roller module(2 controller cards) redundant fans, drives and power supplies. Customer Must Return: Four SPARCstorage Array 1XX with 25-GBs OR two SSA 2xx with 50GBs or RSM2000/A3000 system with 63-GBs of disk	UG-A3500-FC-1092G
Upgrade to 1456G Sun StorEdge A3500 (40x36.4-GB, 10K-rpm) w/FC-AL host interface, five disk trays mounted in a StorEdge expansion cabinet, two 25m USCSI cables, 1 FC-AL cont- roller module(2 controller cards) redundant fans, drives and power supplies. Customer Must Return: Four SPARCstorage Array 1XX with 25-GBs OR two SSA 2xx with 50GBs or RSM2000/A3000 system with 200-GBs of disk	UG-A3500FCAL-1456G
Upgrade, Fibre-channel controller, rackmountable for the StorEdge A3500. Includes two controller cards each with 128MB mirrored cache memory. Supports D1000 disk trays. FACTORY Installed. Customer Must Return: One RSM2000, A3000, or A3500 Controller	UGFA-A3500-FCAL[1]
Upgrade, Sun StorEdge A3500 Fibre Channel Upgrade kit. Includes two controller cards each with daughter cards (81E) and 256MBs of cache, fibre channel cable, A3500 bezel, RM 6.22 software, and firmware 3.0, and documentation Customer Returns: Sun StorEdge A3500 Controller Cards	UG-A3500-A3500FC
Upgrade, Sun StorEdge A3500 Fibre Channel Upgrade kit. Includes two controller cards each with daughter cards (81E) and 256MBs of cache, fibre channel cable, A3500 bezel, RM 6.22 software, and firmware 3.0, and documentation Customer Returns: Sun RSM2000 or StorEdge A3000 controller cards.	UG-A3K-A3500FC

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote
1. *Order part number UG-RMA (RMA kit) as a separate line item on the sales order. This is required for factory installed storage systems.*

StorEdge A3500 Upgrades *(continued)*

Description	Order Number

Upgrades to Sun StorEdge A3500-Lite

Upgrade, Sun StorEdge A3500-Light 72GB, (8x9.1GB, 10K RPM drives) w/2 trays, two 12m USCSI cables, one controller modules (2 controllers), redundant fans, drives and power supplies Customer Must Return: One SPARCstoragge Array 1xx, or 2xx or Multipack with 20-GBs of disk. Or One RSM2000 system with 63-GB of disk.

UG-A3500-LITE-72G

Upgrades to Sun StorEdge A3500-Lite - Factory Installed

Upgrade, Sun StorEdge A3500-Light 72GB, (8x9.1GB, 10K RPM drives) w/2 trays, two 12m USCSI cables, one controller modules (2 controllers), redundant fans, drives and power supplies Factory Configured in a StorEdge Expansion Cabinet. Customer Returns: One SPARCstorage Array 1XX/2XX OR Multipack with 20GB of disk, OR One RSM2000 system with 63GB of disk.

UGFA-366A-72GR5[1]

General Note

- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes

- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*

- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote

1. *Order part number UG-RMA (RMA kit) as a separate line item on the sales order. This is required for factory installed storage systems.*

A3500 Disk Upgrades

Description	Order Number
Disk Upgrades for Sun StorEdge A3500	
UPG, Internal 9.1-Gbyte, 10000-rpm 1" high, UltraSCSI expansion hard drive with barrier plate. Customer Returns: 4-GBytes of Sun disk Storage of 1.05GB disk or greater. (no floppies)	UG-AX000-DISK-9G-2[1]
UPG, Internal 18.2-Gbyte, 10000-rpm 1" high, UltraSCSI expansion hard drive Customer Returns: 9-GBytes of Sun disk Storage of 1.05GB disk or greater. (no floppies)	UG-AX000-DISK-18G[2]
UPG, Internal 18.2-Gbyte, 10000-rpm 1" high, UltraSCSI expansion hard drive with barrier plate. FACTORY Installed. Customer Returns: 9-GBytes of Sun disk Storage of 1.05GB disk or greater (no floppies).	UGFA-AX000-DSK-18G[2,4]
UPG, Internal 36.4-Gbyte, 10000-rpm 1" high, UltraSCSI expansion hard drive Customer Returns: 18-GBytes of Sun disk Storage of 1.05GB disk or greater. (no floppies)	UG-AX000-DISK-36G[3]
UPG, Internal 36.4-Gbyte, 10000-rpm 1" high, UltraSCSI expansion hard drive with barrier plate. FACTORY Installed. Customer Returns: 18-GBytes of Sun disk Storage of 1.05GB disk or greater (no floppies).	UGFA-AX000-DSK-36G[3,4]

General Notes

- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes

1. *Supports the 12 slot chassis (9GB/10K, 1")*
2. *Supports the 12-slot chassis (18GB/10K, 1")*
3. *Supports the 8-slot chassis (36GB/10K, 1.6")*
4. *Order part number UG-RMA (RMA Kit) as a separate line item on the sales order. This is required for Factory Installed Storage Systems.*

StorEdge A5100 Upgrades

Description	Order Number
Upgrades to Sun StorEdge A5100	
Upgrade to 182GB 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 Customer Returns: One SSA 1XX system w/63GB of disk storage OR One StorEdge A5000 14- drive system with minimum 45GB of disk (no floppies).	UG-TT-550A-182G[1,2]
UPG to 509.6GB 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 Customer Returns: Sun SSA 1XX or 2XX series with a minimum of 126GB of disk, OR One Sun StorEdge A5000 14-drive system with 90GB of disk minimum.	UG-TT-550A-509G[1,2,4]
Upgrade, 509.6GB 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. Customer Returns: Sun SSA 1XX or 2XX series with a minimum of 126GB of disk, OR One Sun StorEdge A5000 14-drive system with 90GB of disk minimum.	UG-RM-551A-509G[1,2,4]
Upgrade to 509GB 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 Factory Configuring into 72" Sun StorEdge expansion cabinet. FACTORY INSTALLED. Must order UG-RMA (RMA Kit) as a separate line item to ship in same shipset. Customer Returns: Sun SSA 1XX or 2XX w/ 126GB of disk OR One Sun StorEdge A5000 w/90GB of disk.	UGFA-RM551A-509GR5[1,2,3]

General Notes
- *A power cord is required and must be ordered as a separate line item.*
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*
- *Sun Migration Services (which helps customer migrate from SPARCstorage Array to Sun A5000) and Sun Installation Services (ArrayStart) are available.*
- *For additional options, please refer to the StorEdge A5X00 Ordering Flow Chart in the Disk Arrays section.*

Footnotes
1. *Specify the appropriate U.S. or International power cord.*
2. *Specify the desired version of Sun StorEdge Volume Manager.*
3. *Order part number UG-RMA (RMA Kit) as a separate line item on the sales order. This is required for Factory Installed Storage Systems.*
4. *Standard Configurations are Sun's recommended configurations.*

StorEdge A5100 Upgrades *(continued)*

Description	Order Number
Upgrades to Sun StorEdge A5100	
Upgrade to 509GB 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). FACTORY INSTALLED. Must order UG-RMA (RMA Kit) as separate line for each item being returned to ship in same shipset. Customer Returns: Two SSA 1XX w/75GB OR One Sun RSM 2XX system w/125GB disk OR One A5000 w/90GB of disk.	UGFA-CAB-553A-509G[1,2,3]
Upgrade, 1019GB 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. Customer Returns: Either four SSA 1XX w/75GB each OR Three SSA 2XX w/125GB each OR Two StorEdge A5000 14-drive systems w/ 90GB disk each OR One RSM2000/A3000 w/147GB of disk.	UG-CAB-553A-1019G[1,2]
Upgrade, 3057GB 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. Customer Returns: Either five SSA 1XX systems w/125GB each OR Three SSA 2XX systems with 382GB each, OR three StorEdge A5000 14-drive systems w/127GB each OR Two RSM2000/A3000 with 136GB of disk each.	UG-CAB-553A-3057G[1,2,4]
Upgrade to FC-AL hot swap 36.4GB 10K rpm 1.6" disk drive Customer Returns: 9GB of Sun Disk storage of 1.05GB or greater (no floppies).	UG-A5100-DISK-36G

General Notes

- *A power cord is required and must be ordered as a separate line item.*
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*
- *Sun Migration Services (which helps customer migrate from SPARCstorage Array to Sun A5000) and Sun Installation Services (ArrayStart) are available.*
- *For additional options, please refer to the StorEdge A5X00 Ordering Flow Chart in the Disk Arrays section.*

Footnotes

1. *Specify the appropriate U.S. or International power cord.*
2. *Specify the desired version of Sun StorEdge Volume Manager.*
3. *Order part number UG-RMA (RMA Kit) as a separate line item on the sales order. This is required for Factory Installed Storage Systems.*
4. *Standard Configurations are Sun's recommended configurations.*

StorEdge A5200 Upgrades

Description	Order Number
Upgrades to Sun StorEdge A5200	
Upgrade to 127GB Sun StorEdge A5200 Tabletop Array (7 x 18.2GB, 10Krpm low profile FC-AL drives), includes 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables Customer Returns: One SSA 1XX system w/63GB of disk storage OR One StorEdge A5000 14- drive system with minimum 45GB of disk (no floppies).	UG-TT-540A-127G[1,2]
Upgrade to 400GB Sun StorEdge A5200 Tabletop Array (22 x 18.2GB, 10Krpm low profile FC-AL drives), includes 3 power supplies, 2 interface boards (1 GBIC each) w/2 meter fiber optic cables Customer Returns: One SSA 1XX or 2XX series with minimum of 126GB of disk OR One Sun StorEdge A5000 14-drive system with 90GB of disk minimum.	UG-TT-540A-400G[1,2,4]
Upgrade 400GB 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 Customer Returns: One SSA 1XX or 2XX series with a minimum of 126GB of disk OR One Sun StorEdge A5000 14-drive system with 90GB of disk minimum.	UG-RM-541A-400G[1,2,4]
Upgrade to 400GB Sun StorEdge A5200 Rackmountable Array (22 x 18.2GB, 10,000rpm low profile FC-AL drives) includes three power supplies, two interface boards (one GBIC ea), and two 2 meter fiber optic cables. Rackmounting kit installed for Factory Configuring into StorEdge 72" expansion cabinet. FACTORY INSTALLED. Must order UG-RMA (RMA kit) as separate line item to ship in same shipset. Customer Returns: One SSA 1XX or 2XX w/126GB OR One StorEdge A5000 w/90GB of disk minimum.	UGFA-RM541A-400GR5[1,2,3]

General Notes
- *A power cord is required and must be ordered as a separate line item.*
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*
- *Sun Migration Services (which helps customer migrate from SPARCstorage Array to Sun A5000) and Sun Installation Services (ArrayStart) are available.*
- *For additional options, please refer to the StorEdge A5X00 Ordering Flow Chart in the Disk Arrays section.*

Footnotes
1. *Specify the appropriate U.S. or International power cord.*
2. *Specify the desired version of Sun StorEdge Volume Manager.*
3. *Order part number UG-RMA (RMA Kit) as a separate line item on the sales order. This is required for Factory Installed Storage Systems.*
4. *Standard Configurations are Sun's recommended configurations.*

StorEdge A5200 Upgrades *(continued)*

Description	Order Number
Upgrades to Sun StorEdge A5200 *(continued)*	
Upgrade to 400GB Sun StorEdge A5200 hubless version, includes one 400.4-GByte array (w/ 22x18.2-Gbyte 10000rpm FC-AL drives), twelve 15 meter fibre optic cables, mounted in 72" StorEdge Expansion cabinet (no hubs included). Factory Configuration only. UG-RMA (RMA Kit) needs to be ordere as a separate line item to ship in same shipset. Customer Returns: Two SSA 1XX w/126GB OR One Sun RSM 2XX system w/176GB OR One StorEdge A5000 14-drive system w/127GB disk.	UGFA-CAB-543A-400G[1,2,3]
Upgrade to 800GB 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. Customer Returns: Either four SSA 1XX systems with 125GB of disk/ea OR Three SSA 2XX systems with 160GB of disk/ea OR Two StorEdge A5000 w/127GB of disk each OR Two RSM2000/A3000 with 63GB of disk each.	UG-CAB-543A-800G[1,2]
Upgrade to 2402GB 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. Customer Returns: Either five SSA 1XX w/125GB disk/ea OR Three SSA 2XX systems w/382GB disk/each OR Three StorEdge A5000 systems w/127GB each OR Two RSM2000/A3000 with 136GB of disk each.	UG-CAB-543A-2400G[1,2,4]

General Notes

- *A power cord is required and must be ordered as a separate line item.*

- *Maximum discount may apply; contact your local Sun sales representative for details.*

- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

- *Sun Migration Services (which helps customer migrate from SPARCstorage Array to Sun A5000) and Sun Installation Services (ArrayStart) are available.*

- *For additional options, please refer to the StorEdge A5X00 Ordering Flow Chart in the Disk Arrays section.*

Footnotes

1. *Specify the appropriate U.S. or International power cord.*

2. *Specify the desired version of Sun StorEdge Volume Manager.*

3. *Order part number UG-RMA (RMA Kit) as a separate line item on the sales order. This is required for Factory Installed Storage Systems.*

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

StorEdge A5200 Upgrades *(continued)*

Description	Order Number
Upgrades to Sun StorEdge A5200 *(continued)*	
Upgrade to FC-AL hot swap 18.2GB 10K-rpm 1-inch disk drive Customer Returns: 9GB of Sun disk storage of 1.05-Gbytes or greater (no floppies)	UG-A5200-DISK-18G
Upgrade to FC-AL hot swap 18.2GB 10K-rpm 1-inch disk drive FACTORY INSTALLED. Customer Returns: 9GB of Sun disk storage of 1.05- Gbytes or greater (no floppies).	UGFA-A5200-DSK-18G[3]
Upgrade to 63G-byte StorEdge A5200 (7 x 9.1GB, 10,000rpm low profile FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each) w/2 2 meter fiber optic cables Customer Returns: One SPARCstorage Array 1xx system with 20GB of disk storage OR One StorEdge A5000 14-drive system with minimum 45-GBs of disk (no floppies)	UG-A5000-63G[1,2]
Upgrade to 200-Gbyte 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 Customer Must Return: Sun SPARCstorage Array 1xx or 2xx series with a minimum of 25-GBs of disk , OR One Sun StorEdge A5000 14-drive system with 45-GBs of disk minimum.	UG-A5000-200G[1,2,4,5]

General Notes

- *A power cord is required and must be ordered as a separate line item.*

- *Maximum discount may apply; contact your local Sun sales representative for details.*

- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

- *Sun Migration Services (which helps customer migrate from SPARCstorage Array to Sun A5000) and Sun Installation Services (ArrayStart) are available.*

- *For additional options, please refer to the StorEdge A5X00 Ordering Flow Chart in the Disk Arrays section.*

Footnotes

1. *Specify the appropriate U.S. or International power cord.*

2. *Specify the desired version of Sun StorEdge Volume Manager.*

3. *Order part number UG-RMA (RMA Kit) as a separate line item on the sales order. This is required for Factory Installed Storage Systems.*

4. *Append "R5" to the Order Number for Factory Installation in the Expansion Cabinet.*

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

StorEdge A5200 Upgrades *(continued)*

Description	Order Number

Upgrades to Sun StorEdge A5200 *(continued)*

Upgrade to 200-Gbyte StorEdge A5200 direct connect to host version, includes one 200.2-GByte array (22 9.1-GByte low profile 10000rpm FC-AL drives), one power cord, mounted in 72" Sun StorEdge expansion cabinet. Factory Installed. Customer must return: SPARCstorage Array 1xx or 2xx or RSM storage system with a minimum of a full single array.

UGFA-A5200-200G[1,2,3]

UPGRADE, 200GB Sun StorEdge A5200 (22 x 9.1GB, 10,000rpm low profile FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each), 2 2 meter fiber optic cables with rackmounting kit installed for Factory Configured internal to Enterprise System cabinet Customer Must Return: One Sun SPARCstorage Array 1xx System with 25-GBs of disk minimum, OR one Sun StorEdge A5000 14-drive system with 45-GBs of disk.

UGFA-522A-200GR4[1,2,3]

Upgrade to 400GB Sun StorEdge A5200 Rackmountable Array (22 x 18.2GB, 10,000rpm low profile FC-AL drives) includes three power supplies, two interface boards (one GBIC ea), and two 2 meter fiber optic cables. Rackmounting kit installed for Factory Configuring into Enterprise System Cabinet. FACTORY INSTALLED. Must order UG-RMA (RMA kit) as separate line item to ship in same shipset. Customer Returns: One SSA 1XX or 2XX w/150GB OR One StorEdge A5000 w/90GB of disk minimum.

UGFA-542A-400GR4[1,2,3]

General Notes

- *A power cord is required and must be ordered as a separate line item.*

- *Maximum discount may apply; contact your local Sun sales representative for details.*

- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

- *Sun Migration Services (which helps customer migrate from SPARCstorage Array to Sun A5000) and Sun Installation Services (ArrayStart) are available.*

- *For additional options, please refer to the StorEdge A5X00 Ordering Flow Chart in the Disk Arrays section.*

Footnotes

1. *Specify the appropriate U.S. or International power cord.*
2. *Specify the desired version of Sun StorEdge Volume Manager.*
3. *Order part number UG-RMA (RMA Kit) as a separate line item on the sales order. This is required for Factory Installed Storage Systems.*

StorEdge A5200 Upgrades *(continued)*

Description	Order Number

Upgrades to Sun StorEdge A5200 *(continued)*

Description	Order Number
Upgrade to 509GB 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 Factory Configuring into 68" Enterprise System Cabinet. FACTORY INSTALLED. Must order UG-RMA (RMA Kit) as a separate line item to ship in same shipset. Customer Returns: Sun SSA 1XX or 2XX w/ 150GB of disk OR One Sun StorEdge A5000 w/90GB of disk.	UGFA-552A-509GR4[1,2,3]
Upgrade to 400-Gbyte 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 Customer Returns: Two SPARCstorage Arrays 1xx with 40-GBs disk, -OR- One Sun RSM 2xx systems with 125-GBs disk, OR One StorEdge A5000 14-drive system with 127-GBs disk	UG-A5000-400G[1,2]
Upgrade to 1201-G StorEdge A5200 including six 200.2-GByte arrays (22 9.1-GByte low profile 10K-rpm FC-AL drives), 4 hubs with 4 GBICs each, 2 15 meter fiber optic cables mounted in 72" StorEdge expansion cabinet Customer Returns: Either four Sun SPARCstorage Arrays 1xx version w/ 25-GBs disk in each OR Two SPARCstorage RSM 2xx sys with minimum of 125-GBs each, OR Three StorEdge A5000 14-drive systems with 127-GBs in each	UG-A5000-1200G[1,2,4]
Disk Upgrade to One 9.1-GB A5200 FC-AL hot swap 10000rpm 1" disk drive, w/mouting bracket. Customer Returns: 4-GB of Sun disk storage of 1.05GB type or larger	UG-A5000-9G-LP

General Notes

- *A power cord is required and must be ordered as a separate line item.*
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*
- *Sun Migration Services (which helps customer migrate from SPARCstorage Array to Sun A5000) and Sun Installation Services (ArrayStart) are available.*
- *For additional options, please refer to the StorEdge A5X00 Ordering Flow Chart in the Disk Arrays section.*

Footnotes

1. *Specify the appropriate U.S. or International power cord.*
2. *Specify the desired version of Sun StorEdge Volume Manager.*
3. *Order part number UG-RMA (RMA Kit) as a separate line item on the sales order. This is required for Factory Installed Storage Systems.*
4. *Standard Configurations are Sun's recommended configurations.*

StorEdge A5200 Upgrades *(continued)*

Description	Order Number

Upgrades to Sun StorEdge A5100 and A5200 - Factory configured into cabinet

Description	Order Number
UPGRADE, 200GB Sun StorEdge A5200 (22 x 9.1GB, 10,000rpm low profile FC-AL drives) 3 power supplies, 2 interface boards (1 GBIC each), 2 2 meter fiber optic cables with rackmounting kit installed for Factory Configured internal to Enterprise System cabinet Customer Must Return: One Sun SPARCstorage Array 1xx System with 25-GBs of disk minimum, OR one Sun StorEdge A5000 14-drive system with 45-GBs of disk.	UGFA-522A-200GR4[1,2,3]
Upgrade to 400GB Sun StorEdge A5200 Rackmountable Array (22 x 18.2GB, 10,000rpm low profile FC-AL drives) includes three power supplies, two interface boards (one GBIC ea), and two 2 meter fiber optic cables. Rackmounting kit installed for Factory Configuring into Enterprise System Cabinet. FACTORY INSTALLED. Must order UG-RMA (RMA kit) as separate line item to ship in same shipset. Customer Returns: One SSA 1XX or 2XX w/150GB OR One StorEdge A5000 w/90GB of disk minimum.	UGFA-542A-400GR4[1,2,3]
Upgrade to 509GB 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 Factory Configuring into 68" Enterprise System Cabinet. FACTORY INSTALLED. Must order UG-RMA (RMA Kit) as a separate line item to ship in same shipset. Customer Returns: Sun SSA 1XX or 2XX w/ 150GB of disk OR One Sun StorEdge A5000 w/90GB of disk.	UGFA-552A-509GR4[1,2,3]

General Notes

- *A power cord is required and must be ordered as a separate line item.*
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*
- *Sun Migration Services (which helps customer migrate from SPARCstorage Array to Sun A5000) and Sun Installation Services (ArrayStart) are available.*
- *For additional options, please refer to the StorEdge A5X00 Ordering Flow Chart in the Disk Arrays section.*

Footnotes

1. *Specify the appropriate U.S. or International power cord.*
2. *Specify the desired version of Sun StorEdge Volume Manager.*
3. *Order part number UG-RMA (RMA Kit) as a separate line item on the sales order. This is required for Factory Installed Storage Systems.*

CPU Module Upgrades

Module Upgrades

Description	Order Number

Upgrade to 400MHz UltraSPARC-II Module with 2MB e-cache for Ultra 2

From Sun Ultra 300-MHz Module

Upgrade from 300MHz/2MB UltraSPARC CPU to UltraSPARC-II 400MHz CPU module with 2MB e-cache for Sun Enterprise 2 server and Sun Ultra 2 Desktop Customer Returns: 300MHz/2MB UltraSPARC-II CPU from either the Sun Enterprise 2 server or Sun Ultra 2 workstation — UG-M300-M400

Upgrade to Model 1400 Module for Ultra 2

From Sun Ultra 2 Model 1170, 1200 or 1300 Module

Module upgrade from Ultra 2 Models 1170, 1200 or 1300 to 400MHz CPU Model 1400 - CPU only Customer returns: * U2 Model 1170, 1200 or 1300 CPU — UG-M1XXX-M1400

Upgrade to Model 1300 Module for Ultra 2

From Sun Ultra 2/Enterprise 2 Model 1170 or 1200 Module

Module upgrade from Ultra 2 Models 1170, 1200 or similar to Ultra 2 Model 1300 - CPU only Customer returns: * U2 Model 1170, 1200 or similar   CPU — UG-M1XXX-M1300

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Sun Ultra modules are supported only in Sun Ultra 2 series systems.*
- *Requires Solaris 2.5 or later Solaris 2.x release.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Module Upgrades *(continued)*

Description	Order Number
Upgrades to 400-MHz Module with 8-Mbyte external cache	
From Enterprise 167-MHz Module with 0.5 or 1-Mbyte external cache	
Upgrade from 167-MHz UltraSPARC Module with 0.5MB or 1MB external cache to 400-MHz UltraSPARC Module with 8-Mbyte external cache -FIELD INSTALLED Customer must returns: * 167MHz UltraSPARC Module with .5MB or 1MB External Cache	UG-M2510-M2580
Upgrade from 167-MHz UltraSPARC Module with 0.5MB or 1MB external cache to 400-MHz UltraSPARC Module with 8-Mbyte external cache -FACTORY INSTALLED Customer must returns: * 167MHz UltraSPARC Module with .5MB or 1MB External Cache	UGFA-M2510-M2580
From Enterprise 250-MHz Module with 1 or 4-Mbyte external cache	
Upgrade from 250-MHz UltraSPARC Module with 1MB or 4MB external cache to 400-MHz UltraSPARC Module with 8-Mbyte external cache -FIELD INSTALLED Customer must returns: * 250MHz UltraSPARC Module with 1MB or 4MB External Cache	UG-M2550-M2580
Upgrade from 250-MHz UltraSPARC Module with 1MB or 4MB external cache to 400-MHz UltraSPARC Module with 8-Mbyte external cache -FACTORY INSTALLED Customer must returns: * 250MHz UltraSPARC Module with 1MB or 4MB External Cache	UGFA-M2550-M2580
From Enterprise 336-MHz or 400-MHz UltraSPARC Module with 4-Mbyte external cache	
Upgrade from 336-MHz or 400MHz UltraSPARC Module with 4MB external cache to 400-MHz UltraSPARC Module with 8-Mbyte external cache -FIELD INSTALLED Customer must returns: * 336MHz or 400MHz UltraSPARC Module with 4MB External Cache	UG-M2560-M2580
Upgrade from 336-MHz or 400MHz UltraSPARC Module with 4MB external cache to 400-MHz UltraSPARC Module with 8-Mbyte external cache -FACTORY INSTALLED Customer must returns: * 336MHz or 400MHz UltraSPARC Module with 4MB External Cache	UGFA-M2560-M2580
From any non-UltraSPARC module	
Upgrade from a non UltraSPARC module to a Enterprise Server 400-MHz Module with 8-Mbyte External Cache -FACTORY INSTALLED Customer must return: Any non UltraSPARC Sun processor module	UG-M2580

General Notes
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Module Upgrades *(continued)*

Description	Order Number
Upgrades to 336-MHz Module	

From Enterprise 167-MHz Module with 0.5 or 1-Mbyte external cache

Description	Order Number
Upgrade from 167-MHz UltraSPARC Module with 0.5MB or 1MB external cache to 336-MHz UltraSPARC Module with 4-Mbyte external cache -FIELD INSTALLED Customer must returns: * 167MHz UltraSPARC Module with .5MB or 1MB External Cache	UG-M2510-M2560 [1]
Upgrade from 167-MHz UltraSPARC Module with 0.5MB or 1MB external cache to 336/333-MHz UltraSPARC Module with 4-Mbyte external cache -FACTORY INSTALLED Customer must returns: * 167MHz UltraSPARC Module with .5MB or 1MB External Cache	UGFA-M2510-M2560

General Note

- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes

- *Sun Ultra modules are supported only in Sun Ultra 2 series systems.*

- *Requires Solaris 2.5 or later Solaris 2.x release.*

- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes

1. *This upgrade cannot be configured at the factory. It is a field installed upgrade.*

2. *Contact local Sun IBB rep BEFORE quoting/ordering as there can be significant pre-requisites.*

Module Upgrades *(continued)*

Description	Order Number

Upgrades to 336-MHz Module *(continued)*

From Enterprise 250-MHz Module with 1 or 4-Mbyte external cache

Upgrade from 250-MHz UltraSPARC Module with 1MB or 4MB external cache to 336-MHz UltraSPARC Module with 4-Mbyte external cache -FIELD INSTALLED Customer must return: * 250-MHz UltraSPARC Module with 1MB or 4MB External Cache	UG-M2530-M2560 [1]
Upgrade from 250-MHz UltraSPARC Module with 1MB or 4MB external cache to 336-MHz UltraSPARC Module with 4-Mbyte external cache -FACTORY INSTALLED Customer must return: * 250-MHz UltraSPARC Module with 1MB or 4MB External Cache	UGFA-M2530-M2560

From any non-UltraSPARC Module

Upgrade from a non UltraSPARC module to a Enterprise Server 336-MHz Module with 4-Mbyte External Cache -FACTORY INSTALLED Customer must return: Any non UltraSPARC processor module	UG-M2560

Upgrades to 250-MHz/4MB Modules

From Enterprise 167-MHz or 250-MHz Module with 0.5 or 1-Mbyte external cache

Upgrade from 167-MHz or 250-MHz UltraSPARC Module with 0.5MB or 1MB external cache to 250-MHz UltraSPARC Module with 4-Mbyte external cache Customer must return: * 167-MHz or 250MHz Module with .5M or 1MB External Cache CUSTOMER INSTALLABLE	UG-M2510-M2550 [1,2]

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Sun Ultra modules are supported only in Sun Ultra 2 series systems.*
- *Requires Solaris 2.5 or later Solaris 2.x release.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote
1. *This upgrade cannot be configured at the factory. It is a field installed upgrade.*
2. *Add "E10K" after the order number (e.g. UG-nnnnn-nnnnnE10K) for factory installation in a Enterprise 10000 Server.*

Memory Module Upgrades

Memory Module Upgrades

Description	Order Number

Memory upgrade

From 128-Mbyte (any combination of 16-, 32-, 64-Mbyte SIMM modules) to 512-Mbyte (4 x 128-Mbyte DIMM modules)

Upgrade from 128-Mbyte (Any combination of 16, 32, or 64-Mbyte Sun SIMMS) of memory to 512-Mbyte (4x128-Mbyte Sun DIMM modules) of memory. ***NOTE: ONLY for X7004A compatible Workgroup Servers or Workstations *** Customer returns: * 128MB (Any combination) of Sun	UG-MEM128-MEM512 [1,2]

Sun Enterprise EXX00 Server memory upgrade

From 256-Mbyte (8 x 32-Mbyte SIMM modules - (x)7022A) to 1-Gbyte (8 x 128-Mbyte SIMM modules - (x)7023A)

Upgrade from 256-Mbyte (7022A) Enterprise Server memory to 1GB (7023A) of memory ***Note: ONLY FOR 7023A compatible Enterprise Servers Customer returns: one 256MB (7022A) Memory Module	UG-MEM256-MEM1GB [1,2]
Upgrade from 256-Mbyte (7022A) Enterprise Server memory to 1GB (7023A) of memory ***Note: ONLY FOR 7023A compatible Enterprise Servers- FACTORY INSTALL Customer returns: one 256MB (7022A) Memory Module	UGFA-MEM256-MEM1GB

General Notes

- *Maximum discount may apply; contact your local Sun sales representative for details.*

- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes

1. *This upgrade cannot be configured at the factory. It is a field installed upgrade.*

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

System Board Upgrades

Enterprise System Board Upgrades

Description	Order Number

Upgrade to any Enterprise System Board

From SPARCserver 1000(E) System Board

Description	Order Number
Board Upgrade from SS1000 System Board to Enterprise CPU/Memory Board incl. 256-Mbyte memory Factory Installed Customer Returns: One SS1000 System Board	UGSB1000-X-256M-C
Board Upgrade from SS1000 System Board to Enterprise CPU/Memory Board incl. 1GB memory Factory Installed Customer returns: One SS1000 System Board	UGSB1000-X-1GB-C

From SPARCcenter 2000(E) System Board

Description	Order Number
Board Upgrade from SS1000 or SC2000 System Board to Enterprise 2602 CPU/Memory Board (no memory) FACTORY INSTALLED Customer returns: One SS1000 or SC2000 system board	UGSB2000-X-0M-C
Board Upgrade from SC2000 System Board to Enterprise 2602 CPU/Memory Board incl. 256-Mbyte memory FACTORY INSTALLED Customer Returns: One SC2000 System Board	UGSB2000-X-256M-C
Board Upgrade from SC2000 System Board to Enterprise CPU/Memory Board incl. 1GB memory Factory Installed Customer returns: One SC2000 System Board	UGSB2000-X-1GB-C

General Notes

- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes

- *Enterprise System Board Upgrades may be ordered with the appropriate Chassis Upgrades to yield a system upgrade with multiple number of system boards.*

- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Enterprise System Board Upgrades *(continued)*

Description	Order Number

Upgrade to any Enterprise System Board *(continued)*

From Enterprise Server System Board

Description	Order Number
CPU/Memory Board Upgrade for Enterprise Servers using CPU Board 2600 or 2601 CPU/Memory Board to 2602 CPU/Memory Board (no memory) FIELD INSTALLED Customer Returns one 2600 or 2601 CPU Memory Board	UGSB260X-2602[1]
CPU/Memory Board Upgrade for Enterprise Servers using CPU Board 2600 or 2601 CPU/Memory Board to 2602 CPU/Memory Board (no memory) FACTORY INSTALLED Customer Returns one 2600 or 2601 CPU Memory Board	UGFA-SB260X-2602

From Enterprise Server I/O Board

Description	Order Number
EXX00 SBus I/O Board Upgrade from 2610 or 2611 SBus I/O Board to 2612 SBus I/O Board w/three empty SBus slots, two empty 100MB/sec FC-AL sockets, one 10/100 MB/sec Ethernet Interface --FIELD INSTALLED: Customer Returns: one 2610 or 2611 SBus I/O Board	UGSB261X-2612[1]
EXX00 SBus I/O Board Upgrade from 2610 or 2611 SBus I/O Board to 2612 SBus I/O Board w/three empty SBus slots, two empty 100MB/sec FC-AL sockets, one 10/100 MB/sec Ethernet Interface --FACTORY INSTALLED Customer Returns: one 2610 or 2611 SBus I/O Board	UGFA-SB261X-2612
EXX00 Graphic I/O Board Upgrade from 262X Graphic I/O Board to 2622 Graphic I/O Board w/two empty SBus slots, two empty 100MB/sec FC-AL sockets, one empty UPA slot, one Fast/Wide SCSI Interface, one 10/100 MB/sec Ethernet Interface --FIELD INSTALLED Customer Returns: one 262x Graphics I/O Board	UGSB262X-2622[1]

General Notes

- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes

- *Enterprise System Board Upgrades may be ordered with the appropriate Chassis Upgrades to yield a system upgrade with multiple number of system boards.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote

1. *This upgrade cannot be configured at the factory. It is a field installed upgrade.*

Enterprise System Board Upgrades *(continued)*

Description	Order Number
Upgrade to any Enterprise System Board *(continued)*	
From Enterprise Server I/O Board *(continued)*	
EXX00 Graphic I/O Board Upgrade from 262X Graphic I/O Board to 2622 Graphic I/O Board w/two empty SBus slots, two empty 100MB/sec FC-AL sockets, one empty UPA slot, one Fast/Wide SCSI Interface, one 10/100 MB/sec Ethernet Interface --FACTORY INSTALLED Customer Returns: one 262x Graphics I/O Board	UGFA-SB262X-2622
EXX00 PCI I/O Board Upgrade from 263X PCI I/O Board to 2632 PCI I/O Board w/two empty 66MHz short PCI slots, on-board 10/100 Mbit Fast Ethernet and Fast/wide SCSI, two 5.0 volt riser cards installed. --FIELD INSTALLED Customer Returns: one 263x PCI I/O Board	UGSB263X-2632[1]
EXX00 PCI I/O Board Upgrade from 263X PCI I/O Board to 2632 PCI I/O Board w/two empty SBus slots, two empty 66MHz short PCI slots, on-board 10/100 Mbit Fast Ethernet and Fast/wide SCSI, two 5.0 volt riser cards installed. --FACTORY INSTALLED Customer Returns: one 263x PCI I/O Board	UGFA-SB263X-2632
EXX00 PCI I/O Board Upgrade from 261X SBus I/O Board to 2632 PCI I/O Board w/two empty SBus slots, two empty 66MHz short PCI slots, on-board 10/100 Mbit Fast Ethernet and Fast/wide SCSI, two 5.0 volt riser cards installed. --FIELD INSTALLED Customer Returns: one 261x SBus I/O Board	UGSB261X-2632[1]

General Notes

- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes

- *Enterprise System Board Upgrades may be ordered with the appropriate Chassis Upgrades to yield a system upgrade with multiple number of system boards.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnote

1. *This upgrade cannot be configured at the factory. It is a field installed upgrade.*

Miscellaneous Board Upgrades

Description	Order Number

Upgrade to Sun Gigabit Ethernet 2.0 Adapter (PCI)

From Sun Gigabit Ethernet 1.0 Adapter

Upgrade from Sun PCI Gigabit Ethernet Network Interface Card version 1.0 to Sun PCI Gigabit Ethernet Network Interface Card version 2.0 Customer returns: Sun PCI Gigabit Ethernet Network Interface Card version 1.0	UG-1044A-1141A

Upgrade to Sun Gigabit Ethernet 2.0 Adapter (SBus)

From Sun Gigabit Ethernet 1.0 Adapter

Upgrade from Sun Sbus Gigabit Ethernet Network Interface Card version 1.0 to Sun Sbus Gigabit Ethernet Network Interface Card version 2.0 Customer returns: Sun Sbus Gigabit Ethernet Network Interface Card version 1.0	UG-1045A-1140A

Monitor and Graphics Upgrades

Monitor Upgrades

Description	Order Number
Upgrade to 17-inch Color Monitor	
Upgrade to 17-inch color monitor, 15.7" diagonal viewable area, .28mm dot pitch, 1152x900 @ 66/76Hz, 1024x768 @ 60/77Hz, 30-75kHz, MPR-II, TCO'99, DDC1/2B, VESA DPMS, digital OSD, universal power supply Customer returns: Any older Sun monitor	UG-MON-7143A
Upgrade to 18.1-inch TFT LCD Color Monitor	
Upgrade to 18.1" TFT LCD color monitor, IPS wide viewing angle, 1280x1024 @ 60/76Hz, analog RGB interface, standard captive 13W3 video output cable, Sun ID enclosure, Sun logo & color, Digital OSD controls, TCO'95, VESA DPMS, universal power supply Customer returns: Any older Sun monitor	UG-MON-FP[1]
Upgrade to 19-inch Flat Screen Color Monitor	
Upgrade to Sun N/C 19-inch Flat Screen AG color monitor, 107kHz, DDC1/2B, MPR-II, TCO'99, 10-language User Guide	UG-MON-7135A[1,2]
Upgrade to Sun 19-inch Flat Screen AG color monitor, 107kHz, DDC1/2B, MPR-II, TCO'99, 10-language User Guide, SoHem	UG-MON-7135A-STH
Upgrade to 21-inch Flat Screen Color Monitor	
Upgrade to Sun N/C 21-inch Flat Screen AG color monitor, 121kHz, DDC1/2B, MPR-II, TCO'99, 10-language User Guide	UG-MON-7136A[1,2]
Upgrade to Sun 21-inch Flat Screen AG color monitor, 121kHz, DDC1/2B, MPR-II, TCO'99, 10-language User Guide, SoHem	UG-MON-7136A-STH
Upgrade to 24-inch Color Monitor	
Any previous Generation Sun Monitor Upgrade to 24-inch color monitor (Excluding previous generation 17" Low Cost monitors)	UG-MON-24[1]

Ordering Notes

- *For use outside of North America, Europe, order a localized power cord at no charge from the "Localized Power Cord Kits" section. See page 6-146.*

- *Refer to the Options section for system hardware and software considerations.*

- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Footnotes

1. *Short, predictable Leadtime (SPL) - 2 weeks.*

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

Graphics Upgrades

Description	Order Number
Upgrades to Creator3D, Series 3	
Upgrade from any Creator graphics to Creator3D Series 3, 24-bit color, double-buffered UPA graphics accelerator, vertical board orientation (cable not included) * For Ultra 10, Ultra 30 and Ultra 60 systems Customer Returns: Creator graphics frame buffer	UG-FFB-FFB3-DB-1-V
Upgrade from any Creator graphics to Creator3D Series 3, 24-bit color, double-buffered UPA graphics accelerator, horizontal board orientation (cable not included) * For Ultra 2 and Ultra 450 systems Customer Returns: Creator graphics frame buffer	UG-FFB-FFB3-DB-1-H
Upgrade to Elite3D m3	
Upgrade from any Creator graphics to Elite3D m3, Series 2 graphics accelerator, vertical board orientation, and cable * For Ultra 10, Ultra 30 and Ultra 60 systems Customer Returns: Creator graphics frame buffer	UG-FFB-AFB2-M3-V
Upgrades to Elite3D m6	
Upgrade from any Creator graphics to Elite3D m6, Series 2 graphics accelerator, vertical board orientation, and cable * For Ultra 30 and Ultra 60 Customer Returns: Creator graphics frame buffer	UG-FFB-AFB2-M6-V
Upgrade from any Creator graphics to Elite3D m6, Series 2 graphics accelerator, horizontal board orientation and cable * For Ultra 2 Customer Returns: Creator graphics frame buffer	UG-FFB-AFB2-M6-H
Notes	
• *Requires Solaris 2.5 or later Solaris 2.x release.*	
Upgrades to Expert3D	
Upgrade to Expert3D, 24-bit color High resolution 2D/3D graphic accelerator with on-board texture mapping acceleration, supports PCI 64-bit/66MHz or 64-bit/33MHz Customer returns: Creator3D graphics board For Ultra 60 only	UG-FFBV-3678A
Upgrade to Expert3D, 24-bit color High resolution 2D/3D graphic accelerator with on-board texture mapping acceleration, supports PCI 64-bit/66MHz or 64-bit/33MHz Customer returns: Elite3Dm3 graphics board For Ultra 60 & 80 only	UG-AFBM3V-3678A
Upgrade to Expert3D, 24-bit color High resolution 2D/3D graphic accelerator with on-board texture mapping acceleration, supports PCI 64-bit/66MHz or 64-bit/33MHz Customer returns: Elite3Dm6 graphics board For Ultra 60 & 80 only	UG-AFBM6V-3678A

General Notes
- *Maximum discount may apply; contact your local Sun sales representative for details.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Disk Upgrades

Disk Upgrades

Description	Order Number
Upgrades to 9.1-Gbyte 10000rpm Disk Drive	
UPG, Internal 9.1-Gbyte, 10000-rpm, UltraSCSI, 1" high disk drive. Customer Returns: 4-Gbytes of Sun Storage of 1.05GB disk or greater (no floppies).	UG-DSK-9GB-2
Upgrade to 18.2-Gbyte Disk Drive for MultiPack and UniPack	
Upgrade to 18.2GB/10K rpm disk for MultiPack and E450 server Customer Returns: * At least 4 Gbyte of Sun disk storage, minimum 1.05 Gbyte or greater, internal or external disk (no floppies accepted).	UG-DSK-18GB10K

General Notes

- *Maximum discount may apply; contact your local Sun sales representative for details.*

- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Tape Drive and Library Upgrades

Tape Drive and Library Upgrades

Description	Order Number
Upgrade to StorEdge L280	
From DLT4700 AutoLoader	
Upgrade from DLT 4700 AutoLoader to L280 AutoLoader System Customer Returns: DLT 4700 AutoLoader w/enclosure	UG-DLT4700-TO-L280
Upgrade to StorEdge Tape Library 4/1800	
From Enterprise Tape Library 4/1000	
Drive Upgrade from StorEdge L1000 Sun StorEdge L1800 and L3500, Upgrade Includes 4 DLT 7000 Drives Customer must return: - 4 DLT 4000 Drives from ETL 4/1000 Tape Library	UG-4/1000-4DR
Upgrade to StorEdge Tape Library L1000	
From Enterprise Tape Library 4/1000 or L280	
Upgrade to Enterprise Tape Library L1000 with 1 DLT 7000 tape drive, 30 slots, 5MB/sec native transfer rate and 1.05TB native capacity. Fast Wide Differential SCSI interface. Customer Returns: One Sun Enterprise Tape Library ETL4/1000 with 1 drive or one L280.	UG-4/1000-L1000-1
Upgrade to StorEdge Tape Library L3500	
From Enterprise Tape Library 4/1000 or 4/1800	
Upgrade to Enterprise Tape Library L3500 with 2 DLT 7000 tape drives, 100 slots, 10MB/sec native transfer rate and 3.5TB native capacity. Fast Wide Differential SCSI interface. Customer Returns: One Sun Enterprise Tape Library of either 4/1000 or 4/1800 ETL with minimum of two drives.	UG-L3500-2

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Tape Drive and Library Upgrades *(continued)*

Description	Order Number

Upgrade to StorEdge Tape Library L11000

From Enterprise Tape Library L1000, 4/1000, L1800 or L3500

Description	Order Number
Upgrade, to StorEdge L11000 w/ 4 DLT7000 tape drives, 320 slots Upgradable to 16 drives. Customer Must Return: One Sun Enterprise Tape Library model L1000, 4/1000, L1800, or L3500.	UG-L11000
Upgrade, Two DLT7000 Tape Drives for use in the Sun StorEdge L11000 Tape Library. Two DLT Drives included per part number. Customer Must Return: Two Sun DLT 4000 Drives.	UG-2DLT7-L11000
Upgrade to the L11000 Tape Library Package (16 drive L11000), VERITAS NBU 3.2 (Master Server = Enterprise Server, robotics license for 16 drives, client license, database extension, media, docs), Sun StorEdge LibMON 2.0 (media, docs & RTU), DLT media, 8 host bus adapters, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 with a minimum of two drives.	UG-XLIBDLT16-11TB4
Upgrade to the L11000 Tape Library Package (16 drive L11000), VERITAS NBU 3.2 (Master Server = E10000 Server, robotics license for 16 drives, client license, database extension, media, docs), Sun StorEdge LibMON 2.0 (media, docs & RTU), DLT media, 8 host bus adapters, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 with a minimum of two drives.	UG-XLIBDLT16-11TB5
Upgrade to the L11000 Tape Library Package (L11000 with 4 drives), Solstics Backup 5.5.1 Server Edition License = Workgroup Server, autochanger module license for unlimited slots, media, docs), DLT media, Sun StorEdge LibMon 2.0, Sun PS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 tape library with a minimum of two drives.	UG-XLIBDLT4-11TB6
Upgrade to the L11000 Tape Library Package (L11000 with 4 drives), Solstics Backup 5.5.1 Server Edition License = Network Server, autochanger module license for unlimited slots, media, docs), DLT media, Sun StorEdge LibMon 2.0, Sun PS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 tape library with a minimum of two drives.	UG-XLIBDLT4-11TB7

General Note

- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes

- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Tape Drive and Library Upgrades *(continued)*

Description	Order Number
Upgrade to StorEdge Tape Library L700	
Upgrade to the L700 tape library package (L700 with 20 DLT7000 drives), VERITAS NetBackup 3.2 (Master server license = Enterprise server, robotics license for 12 drives, client license, database extension, media, docs), DLT media, 6 Host Bus Adapters, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800, or L3500 with a minimum of two drives.	UG-XLIBL700-BASE4A
Upgrade to the L700 tape library package (L700 with 12 9840 drives), VERITAS NetBackup 3.2, (Master Server License = Enterprise Server, robotics license for 12 drives, client license, database extension, media, docs), 9840 starter kit, 6 host bus adapters, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 tape library with a minumum of two drives.	UG-XLIBL700-BASE4B
Upgrade to the L700 tape library package (L700 with 20 DLT7000 drives), VERITAS NetBackup 3.2 (Master server license = E10000 server, robotics license for 12 drives, client license, database extension, media, docs), DLT media, 6 Host Bus Adapters, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800, or L3500 with a minimum of two drives.	UG-XLIBL700-BASE5A
Upgrade to the L700 tape library package (L700 with 12 9840 drives), VERITAS NetBackup 3.2, (Master Server License = E10000 Server, robotics license for 12 drives, client license, database extension, media, docs), 9840 starter kit, 6 host bus adapters, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 tape library with a minumum of two drives.	UG-XLIBL700-BASE5B
Upgrade to the L700 tape library package (L700 with 10 DLT7000 drives), Solstics Backup 5.5.1 Server Edition License = Workgroup Server, autochanger module licence for unlimited slots, media, docs), DLT media, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 tape library with a minimum of two drives.	UG-XLIBL700-BASE6A

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*

Tape Drive and Library Upgrades *(continued)*

Description	Order Number
Upgrade to StorEdge Tape Library L700 *(continued)*	
Upgrade to the L700 tape library package (L700 with 6 9840 drives), Solstics Backup 5.5.1 (Server Edition License = Workgroup server, autochanger module license for unlimited slots, media, docs), 9840 Strater kit, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 tape library with a minimum of two drives.	UG-XLIBL700-BASE6B
Upgrade to the L700 tape library package (L700 with 10 DLT7000 drives), Solstics Backup 5.5.1 Server Edition License = Network Server, autochanger module licence for unlimited slots, media, docs), DLT media, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 tape library with a minimum of two drives.	UG-XLIBL700-BASE7A
Upgrade to the L700 tape library package (L700 with 6 9840 drives), Solstics Backup 5.5.1 (Server Edition License = Network server, autochanger module license for unlimited slots, media, docs), 9840 Starter kit, SunPS Tape Library Implementation Service Customer Must Return: ETL 4/1000, L1000, L1800 or L3500 tape library with a minimum of two drives.	UG-XLIBL700-BASE7B
Upgrade to StorEdge 20/40-Gbyte StorEdge UniPack tape enclosure	
Upgrade to Sun StorEdge UniPack 20-40GB 8MM Tape Drive Customer returns: Sun 2.5GB, 5GB, or 7GB 8MM Tape Drive Unit	UG-8MM-TAPE-20G
Upgrade to StorEdge 20-Gbyte 4mm DDS-4 StorEdge UniPack desktop enclosure	
Upgrade to 20GB 4MM DDS-4 UniPack Customer Returns: Any Sun 4MM DDS-3 Unipack	UG-DDS3-XTAPDDS4
Upgrade to 4/8-Gbyte SLR Tape Drive UniPack	
From 2.5-Gbyte QIC Tape Drive UniPack or 150-Mbyte QUI External Tape Drive	
Upgrade from 2.5GB QIC External Tape Drive (Unipack) or 150MB QUI External Drive to 4GB SLR External Tape Drive (unipack) Customer returns: * Either 150MB External QUI Tape Drive or 2.5GB QIC External Tape Drive (unipack)	UG-TAPE-SLR
Upgrade to 35/70-Gbyte DLT7000 Tape Drive FlexiPack	
Upgrade to 35-70GB DLT 7000 Tape Drive in flexipack desktop enclosure. Transfer rate of 5MB per second. Customer returns: One Sun DLT 4000 Tape, or Sun 4MM or 8MM Tape drive, OR any Sun DLT Tape system.	UG-DLT7000

General Note
- *Maximum discount may apply; contact your local Sun sales representative for details.*

Ordering Notes
- *Additional Drives for Trays could be filled by either ordering the appropriate upgrades from above or ordering the available X-options from the Options section of this Pricebook.*
- *Terms and conditions of upgrade sale requires that residuals be returned to Sun Microsystems within 30 days of receipt of product, otherwise you will be billed for the non-returns.*