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## Table of Contents

<i>Product</i>	<i>page</i>
<b>I. Sun-3 Products</b>	
Sun-3/75M -- <i>Desktop Monochrome Workstation</i>	3
Sun-3/160M -- <i>Deskside Monochrome Workstation</i>	4
Sun-3/160C -- <i>Deskside Color Workstation</i>	5
Sun-3/160S -- <i>Deskside Server</i>	5
Sun-3/180S -- <i>Rack-mountable Server</i>	10
<b>II. Sun-2 Products</b>	
<b>A. VMEbus Products</b>	
Sun-2/50 -- <i>Desktop Monochrome Workstation</i>	15
Sun-2/130 -- <i>Deskside Monochrome Workstation</i>	16
Sun-2/130FS -- <i>Deskside Server</i>	19
Sun-2/130 MC68020 Upgrades	20
Sun-2/160 -- <i>Deskside Color Workstation</i>	20
Sun-2/160 MC68020 Upgrades	24
<b>B. Multibus® Products</b>	
Sun-2/120 -- <i>Deskside Monochrome Workstation</i>	25
Sun-2/120FS -- <i>Deskside Server</i>	27
Sun-2/170 -- <i>Rack-mountable Server</i>	28
<b>III. System Software Distribution</b>	31
<b>IV. Software Products</b>	
INGRES Data Base Management Software	33
Sun UNIFY® Data Base Management Software	35
SunAlis™ Office Integrated Office Automation Software	37
Sun Common Lisp	39
Sun Graphics Kernel System (SunGKS™)	42
<b>V. SunLink™ Communication Products</b>	
SNA 3270	43
Internetwork Router	44
X.25	45
BSC RJE	46
Processor Upgrade	46
<b>VI. Printers and Accessories</b>	
Sun LaserWriter	47
Accessories	48



## SUN-3 PRODUCTS

### Sun-3 Family Overview

Current Sun-3™ workstations and servers from Sun Microsystems™ offer the following standard features:

- Full 32-bit architecture, 16.67 MHz MC68020 CPU
- 12.5 MHz MC68881 floating point coprocessor
- 256 MBytes of virtual address space per process
- 2.0 MByte main memory minimum
  - 8 MBytes maximum for Sun-3/75M
  - 16 MBytes maximum for Sun-3/160M, Sun-3/160C, Sun-3/160S, and Sun-3/180S
- High resolution display (optional for Sun-3/160S and Sun-3/180S)
  - 19-inch landscape monitor
  - 1152 (h) x 900 (v) pixel resolution
  - 66 Hz, non-interlaced refresh
  - Tilt-and-swivel capability
- Low profile keyboard and mouse pointing device (optional for Sun-3/160S and Sun-3/180S)
- Ethernet 10 Mbits/sec local area network interface (transceiver and branch cable must be ordered separately)
- Two RS-423 serial ports with modem control
- Right To Use (RTU) license for latest Sun software release, including
  - 4.2BSD version of UNIX™ operating system and utilities
  - SunWindows™ multiwindow display manager
  - SunCore® device independent graphics library
  - SunCGI™ Computer Graphics Interface
  - C, FORTRAN, and Pascal compilers, and MC68020 assembler
  - Network File System (NFS)
  - Sun Visual / Integrated Environment for Workstations (SunView™)
  - Sun Programming Environment (SunPro™)

- NOTES:
1. Software tapes and manuals must be ordered separately.
  2. Ethernet transceiver and branch cable must be ordered separately.
  3. Some products and options in this price list have longer than normal delivery lead times. Please contact a Sun Sales office for current availability.
  4. Standard Sun Workstation® systems are configured for 110 VAC, 60 Hz line power. Option 910 must be specified for 220/240 VAC operation (except Sun-3/75M which is user switch-selectable). Options being ordered separately from a workstation (e.g., an expansion disk) must also specify Option 910 in order to operate with 220/240 VAC workstations.
  5. "Order Number" designates a unique Sun standard product line item.
  6. "Description" provides general information about the item. For more detailed data, contact a Sun Sales Office.
  7. Software products are available only under applicable license agreements.
  8. All orders subject to the review and acceptance procedures of Sun Microsystems, Inc.
  9. Sun Microsystems, Inc. is licensed to distribute the UNIX operating system.

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
3/75M-4	<b>Sun-3/75M Workstation</b> <ul style="list-style-type: none"> <li>▪ Desktop packaging</li> <li>▪ Monochrome monitor</li> <li>▪ 4 MBytes main memory</li> <li>▪ Standard Sun-3 Family features</li> <li>▪ Switch selectable 110/220VAC operation</li> </ul> <p><i>NOTE: Software distribution media, manuals, Ethernet transceiver, and cables must be ordered separately.</i></p>	\$ 15,900	A
3/75M-2	<b>Sun-3/75M Workstation</b> <ul style="list-style-type: none"> <li>▪ Same as 3/75M-4 except with 2 MBytes main memory on base CPU board</li> </ul>	12,900	A
3/75M-4-290	<b>Sun-3/75M Workstation with OCLI Filter</b> <ul style="list-style-type: none"> <li>▪ Same as 3/75M-4 except monochrome monitor has anti-glare coating</li> </ul>	16,400	A
3/75M-2-290	<b>Sun-3/75M Workstation with OCLI Filter</b> <ul style="list-style-type: none"> <li>▪ Same as 3/75M-2 except monochrome monitor has anti-glare coating</li> </ul>	13,400	A
3/75M-102	<b>2 MByte main memory expansion board</b>	3,000	A
3/75M-104	<b>4 MByte main memory expansion board</b>	6,000	A
	<i>NOTE: Maximum of one memory expansion board per system.</i>		
3/75M-501	<b>71 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ SCSI disk controller</li> <li>▪ SCSI host adapter</li> <li>▪ Compact desktop packaging</li> </ul>	5,900	B
3/75M-503	<b>71 MByte (formatted) expansion disk</b> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ SCSI disk controller</li> <li>▪ Compact desktop packaging</li> </ul> <p><i>NOTE: System must also include Option 501 or 511.</i></p>	5,300	B
3/75M-511	<b>71 MByte (formatted) disk subsystem with 1/4-inch cartridge tape</b> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ 60 MByte 1/4-inch cartridge tape drive</li> <li>▪ SCSI disk and tape controllers</li> <li>▪ SCSI host adapter</li> <li>▪ Compact desktop packaging</li> </ul> <p><i>NOTE: Options 501 and 511 are mutually exclusive.</i></p>	8,500	B

## SUN-3 PRODUCTS



Order Number	Description	List Price	Discount Category
3/75M-599	<p>SCSI host adapter</p> <ul style="list-style-type: none"> <li>Provides interface between VME and SCSI disk controllers</li> </ul> <p>NOTE: Included with the purchase of options 501 and 511.</p>	\$ 1,200	A
SBC	<p>3 meter (10-ft) SCSI bus cable</p> <ul style="list-style-type: none"> <li>Allows remote placement of Options 501 or 511 (0.9 meter (3-ft) cable comes standard)</li> </ul>	75	Not discountable
ETHKIT-TAP	<p>Ethernet transceiver with 15 meter (49-ft.) branch cable and 'vampire tap' cable connector</p>	500	Not discountable
ETHKIT-INLINE	<p>Ethernet transceiver with 15 meter (49-ft.) branch cable and 'N-series' in-line cable connectors</p>	500	Not discountable
ETHKIT-THIN	<p>Ethernet transceiver with 15 meter (49-ft.) branch cable and 'Thin Ethernet' BNC connectors</p>	500	Not discountable
3/160M-4	<p><b>Sun-3/160M Workstation</b></p> <ul style="list-style-type: none"> <li>Desktop packaging</li> <li>Monochrome monitor</li> <li>4 MBytes main memory</li> <li>Standard Sun-3 Family features</li> <li>12 slot Eurocard (Triple-height VME) card cage in free-standing pedestal (Standard Sun-3/160M configuration uses one slot)</li> </ul> <p>NOTE: Software distribution media, manuals, Ethernet transceiver, and cables must be ordered separately.</p>	23,900	A
3/160M-2	<p><b>Sun-3/160M Workstation</b></p> <ul style="list-style-type: none"> <li>Same as 3/160M-4 except with 2 MBytes main memory</li> </ul>	20,900	A
3/160M-4-290	<p>Sun-3/160M Workstation with OCLI Filter</p> <ul style="list-style-type: none"> <li>Same as 3/160M-4 except monochrome monitor has anti-glare coating</li> </ul>	24,400	A
3/160M-2-290	<p>Sun-3/160M Workstation with OCLI Filter</p> <ul style="list-style-type: none"> <li>Same as 3/160M-2 except monochrome monitor has anti-glare coating</li> </ul>	21,400	A

Order Number	Description	List Price	Discount Category
3/160C-4	<b>Sun-3/160C Workstation</b> <ul style="list-style-type: none"> <li>▪ Deskside color workstation</li> <li>▪ Color video controller board incorporating: <ul style="list-style-type: none"> <li>-1152 X 900 resolution bit-mapped graphics</li> <li>-8 planes of color, allowing 256 different colors to be simultaneously displayed from a palette of over 16 million colors</li> <li>-8 hardware raster-op processors for enhanced performance</li> </ul> </li> <li>▪ 4 MBytes main memory</li> <li>▪ Standard Sun-3 Family features</li> <li>▪ 12 slot Eurocard (Triple-height VME) card cage in a free-standing pedestal (Standard Sun-3/160C configuration uses two slots)</li> <li>▪ Anti-glare monitor coating</li> </ul> <p><i>NOTE: Software distribution media, manuals, Ethernet transceiver, and cables must be ordered separately.</i></p>	\$ 34,900	A
3/160C-2	<b>Sun-3/160C Workstation</b> <ul style="list-style-type: none"> <li>▪ Same as 3/160C-4 except with 2 MBytes main memory</li> </ul>	31,900	A
3/160S-4	<b>Sun-3/160S Server</b> <ul style="list-style-type: none"> <li>▪ The Sun-3/160S is identical to the Sun-3/160M without monitor, keyboard or mouse. This product is sold primarily as a deskside server.</li> </ul> <p><i>NOTE: Customer must supply an ASCII terminal for system console.</i></p>	20,900	A
3/160S-2	<b>Sun-3/160S Server</b> <ul style="list-style-type: none"> <li>▪ Same as 3/160S-4 except with 2 MBytes main memory</li> </ul>	17,900	A
3/160*-102	2 MByte main memory expansion board	3,000	A
3/160*-104	4 MByte main memory expansion board	6,000	A
	<i>NOTE: Maximum of three memory expansion boards per system.</i>		
3/160*-150	<b>FPA (Floating Point Accelerator) board</b> <ul style="list-style-type: none"> <li>▪ Single and double precision floating point arithmetic</li> <li>▪ 2000K whetstone, 450 Linpack Kflop performance (single precision)</li> <li>▪ IEEE standard 754 compatible</li> </ul>	4,900	A

\* Replace asterisk with M, C, or S depending on whether this option is ordered for monochrome, color, or server system.

## SUN-3 PRODUCTS



Order Number	Description	List Price	Discount Category
3/160*-160	<b>Dual-width to triple-width VME adapter board</b> <ul style="list-style-type: none"> <li>▪ Provides mechanical and electrical interface for standard (double width, double height) VME boards</li> </ul>	\$ 400	A
3/160C-201	<b>Graphics Processor</b> <ul style="list-style-type: none"> <li>▪ Significantly enhances graphics performance</li> <li>▪ Accepts graphics primitives in floating point coordinates</li> <li>▪ Performs 2-D and 3-D transform, clip and scaling computations</li> <li>▪ Provides truly interactive response time for solids modeling and other engineering/scientific applications</li> </ul>	5,900	A
3/160C-202	<b>Graphics Buffer</b> <ul style="list-style-type: none"> <li>▪ Speeds hidden surface removal</li> <li>▪ 16 bits per pixel deep</li> </ul> <p>NOTE: System must also include Option 201.</p>	4,000	A
3/160S-251	<b>Add monochrome monitor, keyboard and mouse</b> <ul style="list-style-type: none"> <li>▪ For 3/160S upgrade to 3/160M</li> <li>▪ 19-inch bit-mapped display</li> <li>▪ 1152 x 900 pixel resolution</li> <li>▪ Detachable keyboard and mouse pointing device</li> </ul>	3,000	A
3/160S-253	<b>Add color monitor, color board, keyboard and mouse</b> <ul style="list-style-type: none"> <li>▪ For 3/160S upgrade to 3/160M</li> <li>▪ 19-inch monitor with anti-glare coating</li> <li>▪ Color video controller board featuring:                             <ul style="list-style-type: none"> <li>-1152 X 900 resolution bit-mapped graphics</li> <li>-8 planes of color allowing 256 different colors to be displayed simultaneously from a palette of over 16 million colors</li> <li>-8 hardware raster-op processors for enhanced performance</li> </ul> </li> <li>▪ Detachable keyboard and mouse pointing device</li> </ul>	15,000	A
3/160M-263	<b>Monochrome-to-color upgrade kit</b> <ul style="list-style-type: none"> <li>▪ Upgrades a 3/160M to a 3/160C</li> <li>▪ Includes color video controller board, color monitor and cables</li> </ul> <p>NOTE: The color monitor replaces the monochrome monitor; only one monitor can be attached at a time.</p>	14,000	A

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
3/160*-450	Add second Ethernet controller	\$ 1,395	B
3/160*-480	8 Channel Asynchronous Line Multiplexer <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	3,550	B
3/160*-481	16 Channel Asynchronous Line Multiplexer <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	4,550	B
3/160*-501**	71 MByte (formatted) disk subsystem <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ SCSI disk controller</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	4,900	B
3/160*-502**	142 MByte (formatted) disk subsystem <ul style="list-style-type: none"> <li>▪ Two 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disks</li> <li>▪ SCSI disk controller</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	8,900	B
3/160*-511**	71 MByte (formatted) disk subsystem with 1/4-inch cartridge tape <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ 60 MByte 1/4-inch cartridge tape drive</li> <li>▪ SCSI disk and tape controllers</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	7,900	B
3/160*-512**	142 MByte (formatted) disk subsystem with 1/4-inch cartridge tape <ul style="list-style-type: none"> <li>▪ Two 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disks</li> <li>▪ 60 MByte 1/4-inch cartridge tape drive</li> <li>▪ SCSI disk and tape controllers</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	11,900	B

NOTE: *Options 501, 502, 511, and 512 are mutually exclusive.*

\* Replace asterisk with M, C, or S depending on whether this option is ordered for monochrome, color, or server system.

\*\* NOT customer-installable; only available with initial system purchase.

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
3/160*-950	40-inch half height rack ▪ Can accommodate one 1/2-inch 1600 bpi tape and one 10 1/2-inch disk	\$ 2,250	B
3/160*-960	76-inch full height rack ▪ Can accommodate any subset of the following: - one 1/2-inch tape and two 10 1/2-inch disks	3,900	B
ETHKIT-TAP	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'vampire tap' cable connector	500	Not discount-able
ETHKIT-INLINE	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'N-series' in-line cable connectors	500	Not discount-able
ETHKIT-THIN	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'Thin Ethernet' BNC connectors	500	Not discount-able

\* Replace asterisk with M, C, or S depending on whether this option is ordered for monochrome, color, or server system.

\*\* NOT customer-installable; only available with initial system purchase.

† Append an "R1" to the order number of these options if they are ordered with a full height rack and they are to be factory installed in the rack. These options are not available in the half height rack.

Example: 3/160S-621 becomes 3/160S-621R1 when it is to be installed in a full height rack. Option 3/160S-960 must also be ordered.

†† Append an "R1" to the order number of these options if they are to be factory installed in a full height rack, or append an "R2" if they are to be factory installed in a half height rack.

Example: 3/160S-620 becomes 3/160S-620R2 when it is to be installed in a half height rack. Option 3/160S-950 must also be ordered.

If neither "R1" nor "R2" is appended to the order number, the product will be shipped in a box, not in a rack.



## SUN-3 PRODUCTS



Order Number	Description	List Price	Discount Category
3/180S-4†	<b>Sun-3/180S Server</b> <ul style="list-style-type: none"> <li>▪ Rack-mountable server</li> <li>▪ 4 MBytes main memory</li> <li>▪ Standard Sun-3 Family features</li> <li>▪ 12 slot VMEbus card cage</li> </ul> <p>NOTE: <i>Software distribution media, manuals, Ethernet transceiver, and cables must be ordered separately. Customer must supply an ASCII terminal for system console.</i></p>	\$ 21,900	A
3/180S-2†	<b>Sun-3/180S Server</b> <ul style="list-style-type: none"> <li>▪ Same as 3/180S-4 except with 2 MBytes main memory</li> </ul>	18,900	A
3/180S-102	2 MByte main memory expansion board	3,000	A
3/180S-104	4 MByte main memory expansion board	6,000	A
	NOTE: <i>Maximum of three memory expansion boards per system.</i>		
3/180S-150	<b>FPA (Floating Point Accelerator) board</b> <ul style="list-style-type: none"> <li>▪ Single and double precision floating point arithmetic</li> <li>▪ 2000K whetstone, 450 Linpack Kflop performance (single precision)</li> <li>▪ IEEE standard 754 compatible</li> </ul>	4,900	A
3/180S-160	<b>Dual-width to triple-width VME adapter board</b> <ul style="list-style-type: none"> <li>▪ Provides mechanical and electrical interface for standard (double width, double height) VME boards</li> </ul>	400	A
3/180S-201	<b>Graphics Processor</b> <ul style="list-style-type: none"> <li>▪ Significantly enhances graphics performance</li> <li>▪ Accepts graphics primitives in floating point coordinates</li> <li>▪ Performs 2-D and 3-D transform, clip and scaling computations</li> <li>▪ Provides truly interactive response time for solids modeling and other engineering/scientific applications</li> </ul> <p>NOTE: <i>System must also include Option 253 (or alternately Option 263).</i></p>	5,900	A
3/180S-202	<b>Graphics Buffer</b> <ul style="list-style-type: none"> <li>▪ Speeds hidden surface removal</li> <li>▪ 16 bits per pixel deep</li> </ul> <p>NOTE: <i>System must also include Option 201.</i></p>	4,000	A

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
3/180S-251	Add monochrome monitor, keyboard and mouse <ul style="list-style-type: none"> <li>▪ 19-inch bit-mapped display</li> <li>▪ 1152 x 900 pixel resolution</li> <li>▪ Detachable keyboard and mouse pointing device</li> </ul>	\$ 3,000	A
3/180S-253	Add color monitor, color board, keyboard and mouse <ul style="list-style-type: none"> <li>▪ 19-inch monitor with anti-glare coating</li> <li>▪ Color video controller board featuring:               <ul style="list-style-type: none"> <li>-1152 X 900 resolution bit-mapped graphics</li> <li>-8 planes of color allowing 256 different colors to be displayed simultaneously from a palette of over 16 million colors</li> <li>-8 hardware raster-op processors for enhanced performance</li> </ul> </li> <li>▪ Detachable keyboard and mouse pointing device</li> </ul>	15,000	A
3/180S-263	Monochrome-to-color upgrade kit <ul style="list-style-type: none"> <li>▪ Upgrades a 3/180S that already has option 3/180S-251</li> <li>▪ Includes color video controller board, color monitor and cables</li> </ul> <p style="margin-left: 40px;"><i>NOTE: The color monitor replaces the monochrome monitor; only one monitor can be attached at a time.</i></p>	14,000	A
3/180S-450	Add second Ethernet controller	1,395	B
3/180S-480	8 Channel Asynchronous Line Multiplexer <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	3,550	B
3/180S-481	16 Channel Asynchronous Line Multiplexer <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	4,550	B
3/180S-601†	130 MByte (formatted) disk subsystem <ul style="list-style-type: none"> <li>▪ 130MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ SMD controller and cables</li> <li>▪ Rack-mountable packaging</li> </ul>	13,900	B

† Append an "R1" to the order number of these options if they are ordered with a full height rack and they are to be factory installed in the rack. These options are not available in the half height rack.

Example: 3/180S-2 becomes 3/180S-2R1 when it is to be installed in a full height rack. Option 3/180S-960 must also be ordered.

If "R1" is not appended to the order number, the product will be shipped in a box, not in a rack.

# SUN-3 PRODUCTS



<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
3/180S-602†	130 MByte (formatted) expansion disk ▪ 130MByte (168 MB unformatted) 8-inch Winchester disk without controller ▪ Rack-mountable packaging NOTE: System must also include Option 601, 603, or 620.	\$ 10,900	B
3/180S-603†	130 MByte (formatted) disk subsystem with 1/4-inch cartridge tape ▪ 130 MByte (168 MB unformatted) 8-inch Winchester disk ▪ 60 MByte 1/4-inch cartridge tape drive ▪ SMD controller and cables ▪ SCSI tape controller and host adapter ▪ Rack-mountable packaging	16,900	B
3/180S-620†	380 MByte (formatted) disk subsystem ▪ 380 MByte (474 MB unformatted) 10 1/2-inch Winchester disk ▪ SMD controller and cables ▪ Rack-mountable packaging	19,900	B
3/180S-621†	380 MByte (formatted) expansion disk ▪ 380 MByte (474 MB unformatted) 10 1/2-inch Winchester disk without controller ▪ Rack-mountable packaging NOTE: System must also include Option 601, 603, or 620.	16,900	B
3/180S-650†	1/4-inch cartridge tape subsystem ▪ 60 MByte 1/4-inch cartridge tape drive ▪ Back-up option for 71, 130 and 380 MByte disks ▪ SCSI tape controller ▪ SCSI host adapter ▪ Rack-mountable packaging	4,000	B
3/180S-670†	1600 bpi 1/2-inch tape drive subsystem ▪ Back-up option for 71, 130 and 380 MByte disks ▪ Reel-to-reel design ▪ Pertec compatible tape board and cables ▪ Rack-mountable packaging	9,500	B

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
3/180S-675†	<b>6250 bpi 1/2-inch tape drive subsystem</b> <ul style="list-style-type: none"> <li>▪ Back-up option for 71, 130 and 380 MByte disks</li> <li>▪ Reel-to-reel design</li> <li>▪ Pertec compatible tape, controller and cables</li> <li>▪ Rack-mountable packaging</li> <li>▪ Dual-density 1600/6250 bpi</li> </ul>	\$ 16,900	B
3/180S-910	Option to configure a Sun-3/180S server for 220/240 VAC, 48-63 Hzline power	N/C	
3/180S-960	<b>76-inch full height rack</b> <ul style="list-style-type: none"> <li>▪ Can accommodate any subset of the following: <ul style="list-style-type: none"> <li>- one 3/180S, one 1/2-inch tape, one 8-inch disk (and/or one 1/4-inch tape) and one 10 1/2-inch disk, OR</li> <li>- one 3/180S, one 1/2-inch tape, and two 10 1/2-inch disks</li> </ul> </li> </ul>	3,900	B
ETHKIT-TAP	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'vampire tap' cable connector	500	Not discount-able
ETHKIT-INLINE	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'N-series' in-line cable connectors	500	Not discount-able
ETHKIT-THIN	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'Thin Ethernet' BNC connectors	500	Not discount-able

† Append an "R1" to the order number of these options if they are ordered with a full height rack and they are to be factory installed in the rack. These options are not available in the half height rack.

Example: 3/180S-621 becomes 3/180S-621R1 when it is to be installed in a full height rack. Option 3/180S-960 must also be ordered.

If "R1" is not appended to the order number, the product will be shipped in a box, not in a rack.

## SUN-2 VMEBUS PRODUCTS

### Sun-2 Family Overview

All Sun-2™ workstations and servers from Sun Microsystems offer the following standard features:

- Full 32-bit architecture, 10 MHz MC68010 CPU
- 16 MBytes of virtual address space per process
- 2.0 MByte main memory minimum
  - 8 MBytes maximum for Sun-2/50, Sun-2/130, and Sun-2/160
  - 4 MBytes maximum for Sun-2/120 and Sun-2/170
- High resolution display and bit-mapped graphics controller (optional for Sun-2/170, Sun-2/120FS, and Sun-2/170FS)
  - 19-inch landscape monitor
  - 1152 (h) x 900 (v) pixel resolution
  - 66 Hz, non-interlaced refresh
  - Tilt-and-swivel capability
- Low profile keyboard and mouse pointing device (optional for Sun-2/170)
- Ethernet 10 Mbits/sec local area network interface (transceiver and branch cable must be ordered separately)
- Two RS-423 serial ports with modem control
- Right To Use (RTU) license for latest Sun software release, including
  - 4.2BSD version of UNIX operating system and utilities
  - SunWindows multiwindow display manager
  - SunCore device independent graphics library
  - SunCGI Computer Graphics Interface
  - C, FORTRAN, and Pascal compilers, and MC68010 assembler
  - Network File System (NFS)

- Notes:**
1. Software tapes and manuals must be ordered separately.
  2. Ethernet transceiver and branch cable must be ordered separately.
  3. Some products and options in this price list have longer than normal delivery lead times. Please contact a Sun Sales office for current availability.
  4. Standard Sun Workstation systems are configured for 110 VAC, 60 Hz line power. Option 91 must be specified for 220/240 VAC operation (except Sun-2/50 which is user switch-selectable). Options being ordered separately from a workstation (e.g., an expansion disk) must also specify Option 91 in order to operate with 220/240 VAC workstations.
  5. Please see Sun's Technical Overview and appropriate product brochure(s) for additional product information.
  6. "Order Number" designates a unique Sun standard product line item.
  7. "Description" provides general information about the item. For more detailed data, contact a Sun Sales Office.
  8. Software products are available only under applicable license agreements.
  9. All orders subject to the review and acceptance procedures of Sun Microsystems, Inc.
  10. Sun Microsystems, Inc. is licensed to distribute the UNIX operating system.

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/50-4	<b>Desktop Monochrome Workstation</b> <ul style="list-style-type: none"> <li>▪ Standard Sun-2 Family features</li> <li>▪ 4 MBytes main memory</li> <li>▪ Switch selectable 110/220VAC operation</li> </ul> NOTE: <i>Software distribution media, manuals, Ethernet transceiver, and cables must be ordered separately.</i>	\$ 11,900	A
Sun2/50-2	<b>Desktop Monochrome Workstation</b> <ul style="list-style-type: none"> <li>▪ Same as 2/50M-4 except with 2 MBytes main memory on base CPU board</li> </ul>	8,900	A
Sun2/50-OPT-12	2 MByte main memory expansion board	3,000	A
Sun2/50-OPT-14	4 MByte main memory expansion board	6,000	A
	NOTE: <i>Maximum of one memory expansion board per system.</i>		
Sun2/50-OPT-15	<b>Hardware floating point processor board</b> <ul style="list-style-type: none"> <li>▪ IEEE format, single and double precision</li> </ul>	2,000	B
Sun2/50-OPT-55	<b>71 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ SCSI disk controller</li> <li>▪ SCSI host adapter</li> <li>▪ Compact desktop packaging</li> </ul>	5,900	B
Sun2/50-OPT-55EX	<b>71 MByte (formatted) expansion disk</b> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ SCSI disk controller</li> <li>▪ Compact desktop packaging</li> </ul> NOTE: <i>System must also include Option 55 or 56.</i>	5,300	B
Sun2/50-OPT-56	<b>71 MByte (formatted) disk subsystem with 1/4-inch cartridge tape</b> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ 60 MByte 1/4-inch cartridge tape drive</li> <li>▪ SCSI disk and tape controllers</li> <li>▪ SCSI host adapter</li> <li>▪ Compact desktop packaging</li> </ul> NOTE: <i>Options 15, 55, 56 are mutually exclusive.</i>	8,500	B
SBC	<b>3 meter (10-ft) SCSI bus cable</b> <ul style="list-style-type: none"> <li>▪ Allows remote placement of Options 55 or 56 (0.9 meter (3-ft) cable comes standard)</li> </ul>	75	Not discount-able
ETHKIT-TAP	<b>Ethernet transceiver with 15 meter (49-ft.) branch cable and 'vampire tap' cable connector</b>	500	Not discount-able

## SUN-2 VMEBUS PRODUCTS



Order Number	Description	List Price	Discount Category
ETHKIT-INLINE	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'N-series' in-line cable connectors	\$ 500	Not discount-able
ETHKIT-THIN	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'Thin Ethernet' BNC connectors	500	Not discount-able
Sun2/130-4	<b>Deskside Monochrome Workstation</b> <ul style="list-style-type: none"> <li>▪ Standard Sun-2 Family features</li> <li>▪ 4 MBytes main memory</li> <li>▪ 12 slot Eurocard (Triple-height VME) card cage in free-standing pedestal (Standard Sun-2/130 configuration uses one slot)</li> </ul> NOTE: <i>Software distribution media, manuals, Ethernet transceiver, and cables must be ordered separately.</i>	19,900	A
Sun2/130-2	<b>Deskside Monochrome Workstation</b> <ul style="list-style-type: none"> <li>▪ Same as Sun2/130-4 except with 2 MBytes main memory</li> </ul>	16,900	A
Sun2/130-OPT-12	2 MByte main memory expansion board	3,000	A
Sun2/130-OPT-14	4 MByte main memory expansion board	6,000	A
	NOTE: <i>Maximum of one memory expansion board per system.</i>		
Sun2/130-OPT-15	<b>Hardware floating point processor board</b> <ul style="list-style-type: none"> <li>▪ IEEE format, single and double precision</li> </ul>	2,000	B
Sun2/130-OPT-16	<b>Dual-width to triple-width VME adapter board</b> <ul style="list-style-type: none"> <li>▪ Provides mechanical and electrical interface for standard (double width, double height) VME boards</li> </ul>	400	A
Sun2/130-OPT-40	Add second Ethernet controller	1,395	B
Sun2/130-OPT-56**	<b>71 MByte (formatted) disk subsystem with 1/4-inch cartridge tape</b> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ 60 MByte 1/4-inch cartridge tape drive</li> <li>▪ SCSI disk and tape controllers</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	7,900	B
Sun2/130-OPT-57**	<b>142 MByte (formatted) disk subsystem with 1/4-inch cartridge tape</b> <ul style="list-style-type: none"> <li>▪ Two 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disks</li> <li>▪ 60 MByte 1/4-inch cartridge tape drive</li> <li>▪ SCSI disk and tape controllers</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	11,900	B

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/130-OPT-58**	<b>71 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ SCSI disk controller</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	\$ 4,900	B
Sun2/130-OPT-59**	<b>142 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ Two 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disks</li> <li>▪ SCSI disk controller</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul> <p>NOTE: Options 55, 57, 58, and 59 are mutually exclusive.</p>	8,900	B
Sun2/130-OPT-63	<b>130 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ Adds expansion pedestal containing 130 MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ SMD controller and cables</li> </ul>	13,900	B
Sun2/130-OPT-64	<b>130 MByte (formatted) expansion disk</b> <ul style="list-style-type: none"> <li>▪ Adds expansion pedestal containing 130 MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ Disk controller not included</li> </ul> <p>NOTE: System must also include Option 63, 65, or 68.</p>	10,900	B
Sun2/130-OPT-65	<b>260 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ Adds expansion pedestal containing two 130 MByte (168 MB unformatted) 8-inch Winchester disks</li> <li>▪ SMD controller and cables</li> </ul>	20,900	B
Sun2/130-OPT-68††	<b>380 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ 380 MByte (474 MB unformatted) 10 1/2-inch Winchester disk</li> <li>▪ SMD controller and cables</li> <li>▪ Rack-mountable packaging</li> </ul>	19,900	B

\*\* NOT customer-installable; only available with initial system purchase.

†† Append an "R1" to the order number of these options if they are to be factory installed in a full height rack, or append an "R2" if they are to be factory installed in a half height rack.

Example: Sun2/130-OPT-68 becomes Sun2/130-OPT-68R1 when it is to be installed in a full height rack. Option Sun2/130-OPT-95 must also be ordered.

If neither "R1" nor "R2" is appended to the order number, the product will be shipped in a box, not in a rack.



# SUN-2 VMEBUS PRODUCTS



Order Number	Description	List Price	Discount Category
Sun2/130-OPT-69†	380 MByte (formatted) expansion disk <ul style="list-style-type: none"> <li>▪ 380 MByte (474 MB unformatted)</li> <li>10 1/2-inch Winchester disk without controller</li> <li>▪ Rack-mountable packaging</li> </ul> NOTE: System must also include Option 63 or 68.	\$ 16,900	B
Sun2/130-OPT-73**	1/4-inch cartridge tape subsystem <ul style="list-style-type: none"> <li>▪ 60 MByte 1/4-inch cartridge tape drive</li> <li>▪ Back-up option for 71, 130 and 380 MByte disks</li> <li>▪ SCSI tape controller</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	4,000	B
Sun2/130-OPT-75††	1600 bpi 1/2-inch tape drive subsystem <ul style="list-style-type: none"> <li>▪ Back-up option for 71, 130 and 380 MByte disks</li> <li>▪ Reel-to-reel design</li> <li>▪ Pertec compatible tape controller and cables</li> <li>▪ Rack-mountable packaging</li> </ul>	9,500	B
Sun2/130-OPT-78†	6250 bpi 1/2-inch tape drive subsystem <ul style="list-style-type: none"> <li>▪ Back-up option for 71, 130 and 380 MByte disks</li> <li>▪ Reel-to-reel design</li> <li>▪ Pertec compatible tape controller and cables</li> <li>▪ Rack-mountable packaging</li> <li>▪ Dual-density 1600/6250 bpi</li> </ul>	16,900	B
Sun2/130-OPT-80	8 Channel Asynchronous Line Multiplexer <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	3,550	B
Sun2/130-OPT-81	16 Channel Asynchronous Line Multiplexer <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	4,550	B
Sun2/130-OPT-160U	130-to-160 upgrade kit <ul style="list-style-type: none"> <li>▪ Upgrades a Sun-2/130 to a Sun-2/160</li> <li>▪ Sun-2/160 color interface electronics</li> <li>▪ Color monitor and packaging</li> </ul> NOTE: The color monitor replaces the monochrome monitor; only one monitor can be attached at a time.	14,000	A
Sun2/130-OPT-91	Option to configure a Sun-2/130 workstation for 220/240 VAC, 48-63 Hz line power	N/C	

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/130-OPT-95	76-inch full height rack <ul style="list-style-type: none"> <li>▪ Can accommodate any subset of the following:               <ul style="list-style-type: none"> <li>- one 1/2-inch tape and two 10 1/2-inch disks</li> </ul> </li> </ul>	\$ 3,900	B
Sun2/130-OPT-950	40-inch half height rack <ul style="list-style-type: none"> <li>▪ Can accommodate one 1/2-inch 1600 bpi tape and one 10 1/2-inch disk</li> </ul>	2,250	B
ETHKIT-TAP	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'vampire tap' cable connector	500	Not discount-able
ETHKIT-INLINE	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'N-series' in-line cable connectors	500	Not discount-able
ETHKIT-THIN	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'Thin Ethernet' BNC connectors	500	Not discount-able
Sun2/130FS-4	<b>Deskside Server</b> <ul style="list-style-type: none"> <li>▪ The Sun-2/130FS is identical to the Sun-2/130 without monitor, keyboard or mouse. This product is sold primarily as a deskside server.</li> <li>▪ Ordering options are the same as for the Sun-2/130.</li> <li>▪ Standard Sun-2/130FS configuration uses one slot.</li> <li>▪ Customer must supply an ASCII terminal for system console.</li> </ul>	16,900	A
Sun2/130FS-2	<b>Deskside Server</b> <ul style="list-style-type: none"> <li>▪ Same as Sun-2/130FS-4 except with 2 MBytes main memory.</li> </ul>	13,900	A

\*\* NOT customer-installable; only available with initial system purchase.

† Append an "R1" to the order number of these options if they are ordered with a full height rack and they are to be factory installed in the rack. These options are not available in the half height rack.

Example: Sun2/130-OPT-78 becomes Sun2/130-OPT-78R1 when it is to be installed in a full height rack. Option Sun2/130-OPT-95 must also be ordered.

†† Append an "R1" to the order number of these options if they are to be factory installed in a full height rack, or append an "R2" if they are to be factory installed in a half height rack.

Example: Sun2/130-OPT-75 becomes Sun2/130-OPT-75R2 when it is to be installed in a half height rack. Option Sun2/130-OPT-950 must also be ordered.

If neither "R1" nor "R2" is appended to the order number, the product will be shipped in a box, not in a rack.

# SUN-2 VMEBUS PRODUCTS



Order Number	Description	List Price	Discount Category
<b>Sun-2/130 MC68020 Upgrades:</b>			
UG20-2/2	<b>Sun-2/130-2 to 2 MByte MC68020 upgrade</b> <ul style="list-style-type: none"> <li>▪ 16.67 MHz MC68020 CPU board with a 12.5 MHz MC 68881 floating point co-processor</li> <li>▪ 2.0 MBytes of main memory</li> </ul>	\$ 4,000	A
UG20-2/4	<b>Sun-2/130-2 to 4 MByte MC68020 upgrade</b> <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 4.0 MBytes of main memory</li> </ul>	7,000	A
UG20-4/4	<b>Sun-2/130-4 to 4 MByte MC68020 upgrade</b> <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 4.0 MBytes of main memory</li> </ul>	4,000	A
UG20-6/6	<b>Sun-2/130-6 to 6 MByte MC68020 upgrade</b> <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 6.0 MBytes of main memory</li> </ul>	4,000	A
UG20-6/8	<b>Sun-2/130-6 to 8 MByte MC68020 upgrade</b> <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 8.0 MBytes of main memory</li> </ul>	7,000	A
UG20-8/8	<b>Sun-2/130-8 to 8 MByte MC68020 upgrade</b> <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 8.0 MBytes of main memory</li> </ul>	4,000	A
<p><i>NOTE: For any upgrade, customer must return the MC68010 CPU board and, if applicable, a memory expansion board.</i></p>			
Sun2/160-4	<b>Deskside Color Workstation</b> <ul style="list-style-type: none"> <li>▪ Standard Sun-2 Family features</li> <li>▪ 4 MBytes main memory</li> <li>▪ Color video controller board incorporating: <ul style="list-style-type: none"> <li>-1152 X 900 resolution bit-mapped graphics</li> <li>-8 planes of color, allowing 256 different colors to be simultaneously displayed from a palette of over 16 million colors</li> <li>-8 hardware raster-op processors for enhanced performance</li> </ul> </li> <li>▪ 12 slot Eurocard (Triple-height VME) card cage in a free-standing pedestal (Standard Sun-2/160 configuration uses two slots)</li> <li>▪ Anti-glare monitor coating</li> </ul>	30,900	A
<p><i>NOTE: Software distribution media, manuals, Ethernet transceiver, and cables must be ordered separately.</i></p>			
Sun2/160-2	<b>Deskside Color Workstation</b> <ul style="list-style-type: none"> <li>▪ Same as Sun2/160-4 except with 2 MBytes main memory</li> </ul>	27,900	A

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/160-OPT-12	2 MByte main memory expansion board	\$ 3,000	A
Sun2/160-OPT-14	4 MByte main memory expansion board NOTE: <i>Maximum of one memory expansion board per system.</i>	6,000	A
Sun2/160-OPT-15	Hardware floating point processor board ▪ IEEE format, single and double precision	2,000	B
Sun2/160-OPT-16	Dual-width to triple-width VME adapter board ▪ Provides mechanical and electrical interface for standard (double width, double height) VME boards	400	A
Sun2/160-OPT-40	Add second Ethernet controller	1,395	B
Sun2/160-OPT-56**	71 MByte (formatted) disk subsystem with 1/4-inch cartridge tape ▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk ▪ 60 MByte 1/4-inch cartridge tape drive ▪ SCSI disk and tape controllers ▪ SCSI host adapter ▪ Installed in system pedestal	7,900	B
Sun2/160-OPT-57**	142 MByte (formatted) disk subsystem with 1/4-inch cartridge tape ▪ Two 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disks ▪ 60 MByte 1/4-inch cartridge tape drive ▪ SCSI disk and tape controllers ▪ SCSI host adapter ▪ Installed in system pedestal	11,900	B
Sun2/160-OPT-58**	71 MByte (formatted) disk subsystem ▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk ▪ SCSI disk controller ▪ SCSI host adapter ▪ Installed in system pedestal	4,900	B
Sun2/160-OPT-59**	142 MByte (formatted) disk subsystem ▪ Two 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disks ▪ SCSI disk controller ▪ SCSI host adapter ▪ Installed in system pedestal NOTE: <i>Options 56, 57, 58, and 59 are mutually exclusive.</i>	8,900	B

\*\* NOT field-installable; only available with initial system purchase.

## SUN-2 VMEBUS PRODUCTS



<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/160-OPT-63	<p>130 MByte (formatted) disk subsystem</p> <ul style="list-style-type: none"> <li>▪ Adds expansion pedestal containing 130 MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ SMD controller and cables</li> </ul>	\$ 13,900	B
Sun2/160-OPT-64	<p>130 MByte (formatted) expansion disk</p> <ul style="list-style-type: none"> <li>▪ Adds expansion pedestal containing 130 MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ Disk controller not included</li> </ul> <p>NOTE: System must also include Option 63, 65, or 68.</p>	10,900	B
Sun2/160-OPT-65	<p>260 MByte (formatted) disk subsystem</p> <ul style="list-style-type: none"> <li>▪ Adds expansion pedestal containing two 130 MByte (168 MB unformatted) 8-inch Winchester disks</li> <li>▪ SMD controller and cables</li> </ul>	20,900	B
Sun2/160-OPT-68††	<p>380 MByte (formatted) disk subsystem</p> <ul style="list-style-type: none"> <li>▪ 380 MByte (474 MB unformatted) 10 1/2-inch Winchester disk</li> <li>▪ SMD controller and cables</li> <li>▪ Rack-mountable packaging</li> </ul>	19,900	B
Sun2/160-OPT-69†	<p>380 MByte (formatted) expansion disk</p> <ul style="list-style-type: none"> <li>▪ 380 MByte (474 MB unformatted) 10 1/2-inch Winchester disk without controller</li> <li>▪ Rack-mountable packaging</li> </ul> <p>NOTE: System must also include Option 63 or 68.</p>	16,900	B
Sun2/160-OPT-73**	<p>1/4-inch cartridge tape subsystem</p> <ul style="list-style-type: none"> <li>▪ 60 MByte 1/4-inch cartridge tape drive</li> <li>▪ Back-up option for 71, 130 and 380 MByte disks</li> <li>▪ SCSI tape controller</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	4,000	B
Sun2/160-OPT-75††	<p>1600 bpi 1/2-inch tape drive subsystem</p> <ul style="list-style-type: none"> <li>▪ Back-up option for 71, 130 and 380 MByte disks</li> <li>▪ Reel-to-reel design</li> <li>▪ Pertec compatible tape controller and cables</li> <li>▪ Rack-mountable packaging</li> </ul>	9,500	B

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/160-OPT-78†	<b>6250 bpi 1/2-inch tape drive subsystem</b> <ul style="list-style-type: none"> <li>▪ Back-up option for 71, 130 and 380 MByte disks</li> <li>▪ Reel-to-reel design</li> <li>▪ Pertec compatible tape controller and cables</li> <li>▪ Rack-mountable packaging</li> <li>▪ Dual-density 1600/6250 bpi</li> </ul>	\$ 16,900	B
Sun2/160-OPT-80	<b>8 Channel Asynchronous Line Multiplexer</b> <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	3,550	B
Sun2/160-OPT-81	<b>16 Channel Asynchronous Line Multiplexer</b> <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	4,550	B
Sun2/160-OPT-86	<b>Graphics Processor</b> <ul style="list-style-type: none"> <li>▪ Significantly enhances graphics performance</li> <li>▪ Accepts graphics primitives in floating point coordinates</li> <li>▪ Performs 2-D and 3-D transform, clip and scaling computations</li> <li>▪ Provides truly interactive response time for solids modeling and other engineering/scientific applications</li> </ul> <p>NOTE: Requires Sun software release 2.1 or later.</p>	5,900	A
Sun2/160-OPT-87	<b>Graphics Buffer</b> <ul style="list-style-type: none"> <li>▪ Speeds hidden surface removal</li> <li>▪ 16 bits per pixel deep</li> </ul> <p>NOTE: System must also include Option 86.</p>	4,000	A
Sun2/160-OPT-91	<b>Option to configure a Sun-2/160 workstation for 220/240 VAC, 48-63 Hz line power</b>	N/C	

\*\* NOT customer-installable; only available with initial system purchase.

† Append an "R1" to the order number of these options if they are ordered with a full height rack and they are to be factory installed in the rack. These options are not available in the half height rack.

Example: Sun2/160-OPT-78 becomes Sun2/130-OPT-78R1 when it is to be installed in a full height rack. Option Sun2/160-OPT-95 must also be ordered.

†† Append an "R1" to the order number of these options if they are to be factory installed in a full height rack, or append an "R2" if they are to be factory installed in a half height rack.

Example: Sun2/160-OPT-75 becomes Sun2/160-OPT-75R2 when it is to be installed in a half height rack. Option Sun2/160-OPT-950 must also be ordered.

If neither "R1" nor "R2" is appended to the order number, the product will be shipped in a box, not in a rack.

## SUN-2 VMEBUS PRODUCTS



Order Number	Description	List Price	Discount Category
Sun2/160-OPT-95	76-inch full height rack <ul style="list-style-type: none"> <li>▪ Can accommodate any subset of the following:                             <ul style="list-style-type: none"> <li>- one 1/2-inch tape and two 10 1/2-inch disks</li> </ul> </li> </ul>	\$ 3,900	B
Sun2/160-OPT-950	40-inch half height rack <ul style="list-style-type: none"> <li>▪ Can accommodate one 1/2-inch 1600 bpi tape and one 10 1/2-inch disk</li> </ul>	2,250	B
ETHKIT-TAP	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'vampire tap' cable connector	500	Not discount-able
ETHKIT-INLINE	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'N-series' in-line cable connectors	500	Not discount-able
ETHKIT-THIN	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'Thin Ethernet' BNC connectors	500	Not discount-able
<b>Sun-2/160 MC68020 Upgrades:</b>			
UG20-2/2	Sun-2/160-2 to 2 MByte MC68020 upgrade <ul style="list-style-type: none"> <li>▪ 16.67 MHz MC68020 CPU board with a 12.5 MHz MC 68881 floating point co-processor</li> <li>▪ 2.0 MBytes of main memory</li> </ul>	4,000	A
UG20-2/4	Sun-2/160-2 to 4 MByte MC68020 upgrade <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 4.0 MBytes of main memory</li> </ul>	7,000	A
UG20-4/4	Sun-2/160-4 to 4 MByte MC68020 upgrade <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 4.0 MBytes of main memory</li> </ul>	4,000	A
UG20-6/6	Sun-2/160-6 to 6 MByte MC68020 upgrade <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 6.0 MBytes of main memory</li> </ul>	4,000	A
UG20-6/8	Sun-2/160-6 to 8 MByte MC68020 upgrade <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 8.0 MBytes of main memory</li> </ul>	7,000	A
UG20-8/8	Sun-2/160-8 to 8 MByte MC68020 upgrade <ul style="list-style-type: none"> <li>▪ Same as UG20-2/2 except upgrade contains 8.0 MBytes of main memory</li> </ul>	4,000	A

NOTE: For any upgrade, customer must return the MC68010 CPU board and, if applicable, a memory expansion board.

## SUN-2 MULTIBUS PRODUCTS

Order Number	Description	List Price	Discount Category
Sun2/120-2	<b>Deskside Monochrome Workstation</b> <ul style="list-style-type: none"> <li>▪ Standard Sun-2 Family features</li> <li>▪ 2 MBytes main memory</li> <li>▪ Nine slot Multibus (IEEE-796) card cage in a free-standing pedestal (Standard Sun-2/120 configuration uses five slots)</li> </ul> <p><i>NOTE: Software distribution media, manuals, Ethernet transceiver, and cables must be ordered separately.</i></p>	\$ 18,400	A
Sun2/120-OPT-10	1 MByte main memory expansion board <p><i>NOTE: Maximum of two Option 10's may be ordered per Sun-2/120.</i></p>	1,500	A
Sun2/120-OPT-15	<b>Hardware floating point processor board</b> <ul style="list-style-type: none"> <li>▪ IEEE format, single and double precision</li> </ul>	2,000	B
Sun2/120-OPT-20	<b>Add SunColor™ graphics capabilities (without monitor)</b> <ul style="list-style-type: none"> <li>▪ One 640 x 480 resolution bit-mapped color graphics controller with internal cables</li> <li>▪ Eight planes of color allowing 256 different colors to be displayed simultaneously from a palette of over 16 million colors</li> </ul> <p><i>NOTE: Customer must supply external RS-170 compatible color monitor, which supplements, does not replace, monochrome monitor.</i></p>	4,200	A
Sun2/120-OPT-29	<b>Add SunColor graphics capabilities (19-inch monitor)</b> <ul style="list-style-type: none"> <li>▪ Same controller as Option 20, along with a 19-inch RS-170 color monitor and cables</li> </ul> <p><i>NOTE: Supplements, does not replace, monochrome monitor.</i></p>	7,400	A
Sun2/120-OPT-40	Add second Ethernet controller	795	Not discount-able
Sun2/120-OPT-45	Delete standard Ethernet controller	(795)	A
Sun2/120-OPT-50**	<b>42 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ 42 MByte (50 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ SCSI disk controller</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	4,500	B

\*\* NOT customer-installable; only available with initial system purchase.



## SUN-2 MULTIBUS PRODUCTS



<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/120-OPT-51**	<p>42 MByte (formatted) disk subsystem with 1/4-inch cartridge tape</p> <ul style="list-style-type: none"> <li>▪ 42 MByte (50 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ 20 MByte 1/4-inch cartridge tape drive</li> <li>▪ SCSI disk and tape controllers</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	\$ 7,500	B
Sun2/120-OPT-55**	<p>71 MByte (formatted) disk subsystem</p> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ SCSI disk controller</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	4,900	B
Sun2/120-OPT-56**	<p>71 MByte (formatted) disk subsystem with 1/4-inch cartridge tape</p> <ul style="list-style-type: none"> <li>▪ 71 MByte (85 MB unformatted) 5 1/4-inch Winchester disk</li> <li>▪ 20 MByte 1/4-inch cartridge tape drive</li> <li>▪ SCSI disk and tape controllers</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul> <p>NOTE: <i>Options 50, 51, 55 and 56 are mutually exclusive.</i></p>	7,900	B
Sun2/120-OPT-63	<p>130 MByte (formatted) disk subsystem</p> <ul style="list-style-type: none"> <li>▪ Adds expansion pedestal containing 130 MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ SMD controller and cables</li> </ul>	13,900	B
Sun2/120-OPT-64	<p>130 MByte (formatted) expansion disk</p> <ul style="list-style-type: none"> <li>▪ Adds expansion pedestal containing 130 MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ Disk controller not included</li> </ul> <p>NOTE: <i>System must also include Option 63.</i></p>	10,900	B
Sun2/120-OPT-65	<p>260 MByte (formatted) disk subsystem</p> <ul style="list-style-type: none"> <li>▪ Adds expansion pedestal containing two 130 MByte (168 MB unformatted) 8-inch Winchester disks</li> <li>▪ SMD controller and cables</li> </ul>	20,900	B
Sun2/120-OPT-73**	<p>1/4-inch cartridge tape subsystem</p> <ul style="list-style-type: none"> <li>▪ 20 MByte 1/4-inch cartridge tape drive</li> <li>▪ Back-up option for 42, 71, 130 and 380 MByte disks</li> <li>▪ SCSI tape controller</li> <li>▪ SCSI host adapter</li> <li>▪ Installed in system pedestal</li> </ul>	4,000	B

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/120-OPT-75	<b>1600 bpi 1/2-inch tape drive subsystem</b> <ul style="list-style-type: none"> <li>▪ Back-up option for 42, 71, 130 and 380 MByte disks</li> <li>▪ Reel-to-reel design</li> <li>▪ Pertec compatible tape controller and cables</li> <li>▪ Rack-mountable packaging</li> </ul>	\$ 9,500	B
Sun2/120-OPT-78	<b>6250 bpi 1/2-inch tape drive subsystem</b> <ul style="list-style-type: none"> <li>▪ Back-up option for 42, 71, 130 and 380 MByte disks</li> <li>▪ Reel-to-reel design</li> <li>▪ Pertec compatible tape controller and cables</li> <li>▪ Rack-mountable packaging</li> <li>▪ Dual-density 1600/6250 bpi</li> </ul>	16,900	B
Sun2/120-OPT-80	<b>8 Channel Asynchronous Line Multiplexer</b> <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	2,950	B
Sun2/120-OPT-91	Option to configure a Sun-2/120 workstation for 220/240 VAC, 48-63 Hz line power	N/C	
ETHKIT-TAP	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'vampire tap' cable connector	500	Not discount-able
ETHKIT-INLINE	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'N-series' in-line cable connectors	500	Not discount-able
ETHKIT-THIN	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'Thin Ethernet' BNC connectors	500	Not discount-able
Sun2/120FS-2	<b>Deskside Server</b> <ul style="list-style-type: none"> <li>▪ The Sun-2/120FS is identical to the Sun-2/120 without monitor, keyboard or mouse. It is intended for use as a file or terminal server.</li> <li>▪ Ordering options are the same as for the Sun-2/120.</li> <li>▪ Standard Sun-2/120FS configuration uses four slots.</li> <li>▪ Customer must supply an ASCII terminal for system console.</li> </ul>	15,400	A

**\*\* NOT customer-installable; only available with initial system purchase.**

## SUN-2 MULTIBUS PRODUCTS



<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/170-2†	<b>Rack-mountable Server</b> <ul style="list-style-type: none"> <li>▪ Standard Sun-2 Family features</li> <li>▪ 2 MBytes main memory</li> <li>▪ Rack-mountable fifteen slot Multibus (IEEE-796) card cage (Standard Sun-2/170 configuration uses four slots)</li> </ul> <p><i>NOTE: Software distribution media, manuals, Ethernet transceiver, and cables must be ordered separately. Customer must supply an ASCII terminal for system console unless Option 18 is ordered.</i></p>	\$ 18,900	A
Sun2/170-OPT-10	<b>1 MByte main memory expansion board</b> <p><i>NOTE: Maximum of two Option 10's may be ordered per Sun-2/170.</i></p>	1,500	A
Sun2/170-OPT-15	<b>Hardware floating point processor board</b> <ul style="list-style-type: none"> <li>▪ IEEE format, single and double precision</li> </ul>	2,000	B
Sun2/170-OPT-18	<b>Add monitor, keyboard and mouse</b> <ul style="list-style-type: none"> <li>▪ 1152 x 900 resolution video controller board</li> <li>▪ 19-inch monochrome bit-mapped display</li> <li>▪ Detachable keyboard and mouse pointing device</li> </ul>	3,000	A
Sun2/170-OPT-20	<b>Add SunColor graphics capabilities (without monitor)</b> <ul style="list-style-type: none"> <li>▪ One 640 x 480 resolution bit-mapped color graphics controller with internal cables</li> <li>▪ Eight planes of color allowing 256 different colors to be displayed simultaneously from a palette of over 16 million colors</li> </ul> <p><i>NOTE: Customer must supply external RS-170 compatible color monitor, which supplements, does not replace, monochrome monitor.</i></p>	4,200	A
Sun2/170-OPT-29	<b>Add SunColor graphics capabilities (19-inch monitor)</b> <ul style="list-style-type: none"> <li>▪ Same controller as Option 20, along with a 19-inch RS-170 color monitor and cables</li> </ul> <p><i>NOTE: Supplements, does not replace, monochrome monitor.</i></p>	7,400	A
Sun2/170-OPT-40	<b>Add second Ethernet controller</b>	795	Not discount-able
Sun2/170-OPT-45	<b>Delete standard Ethernet controller</b>	(795)	A

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun2/170-OPT-63†	<b>130 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ 130 MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ SMD controller and cables</li> <li>▪ Rack-mountable packaging</li> </ul>	\$ 13,900	B
Sun2/170-OPT-64†	<b>130 MByte (formatted) expansion disk</b> <ul style="list-style-type: none"> <li>▪ 130 MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ Disk controller <b>not</b> included</li> <li>▪ Rack-mountable packaging</li> </ul> <p>NOTE: System must also include Option 63, 65, or 68.</p>	10,900	B
Sun2/170-OPT-65†	<b>130 MByte (formatted) disk subsystem with 1/4-inch cartridge tape</b> <ul style="list-style-type: none"> <li>▪ 130 MByte (168 MB unformatted) 8-inch Winchester disk</li> <li>▪ 20 MByte 1/4-inch cartridge tape drive</li> <li>▪ SMD controller and cables</li> <li>▪ SCSI tape controller</li> <li>▪ SCSI host adapter</li> <li>▪ Rack-mountable packaging</li> </ul>	16,900	B
Sun2/170-OPT-68†	<b>380 MByte (formatted) disk subsystem</b> <ul style="list-style-type: none"> <li>▪ 380 MByte (474 MB unformatted) 10 1/2-inch Winchester disk</li> <li>▪ SMD controller and cables</li> <li>▪ Rack-mountable packaging</li> </ul>	19,900	B
Sun2/170-OPT-69†	<b>380 MByte (formatted) expansion disk</b> <ul style="list-style-type: none"> <li>▪ 380 MByte (474 MB unformatted) 10 1/2-inch Winchester disk <b>without</b> controller</li> <li>▪ Rack-mountable packaging</li> </ul> <p>NOTE: System must also include Option 63, 65, or 68.</p>	16,900	B
Sun2/170-OPT-73†	<b>1/4-inch cartridge tape subsystem</b> <ul style="list-style-type: none"> <li>▪ 20 MByte 1/4-inch cartridge tape drive</li> <li>▪ Back-up option for 42, 71, 130, and 380 MByte disks</li> <li>▪ SCSI tape controller</li> <li>▪ SCSI host adapter</li> <li>▪ Rack-mountable packaging</li> </ul>	4,000	B

† Append an "R1" to the order number of these options if they are ordered with a full height rack and they are to be factory installed in the rack. These options are not available in the half height rack.

Example: Sun2/170-OPT-68 becomes Sun2/170-OPT-68R1 when it is to be installed in a full height rack. Option Sun2/170-OPT-95 must also be ordered.

If "R1" is not appended to the order number, the product will be shipped in a box, not in a rack.

## SUN-2 MULTIBUS PRODUCTS



Order Number	Description	List Price	Discount Category
Sun2/170-OPT-75†	<b>1600 bpi 1/2-inch tape drive subsystem</b> <ul style="list-style-type: none"> <li>▪ Back-up option for 130 and 380 MByte disks</li> <li>▪ Reel-to-reel design</li> <li>▪ Pertec compatible tape controller and cables</li> <li>▪ Rack-mountable packaging</li> </ul>	\$ 9,500	B
Sun2/170-OPT-78†	<b>6250 bpi 1/2-inch tape drive subsystem</b> <ul style="list-style-type: none"> <li>▪ Back-up option for 130 and 380 MByte disks</li> <li>▪ Reel-to-reel design</li> <li>▪ Pertec compatible tape controller and cables</li> <li>▪ Rack-mountable packaging</li> <li>▪ Dual-density 1600/6250 bpi</li> </ul>	16,900	B
Sun2/170-OPT-80	<b>8 Channel Asynchronous Line Multiplexer</b> <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	2,950	B
Sun2/170-OPT-81	<b>14 Channel Asynchronous Line Multiplexer</b> <ul style="list-style-type: none"> <li>▪ Intelligent DMA controller</li> <li>▪ Full modem control on all lines</li> <li>▪ Internal cables and and back-panel connectors</li> </ul>	3,950	B
NOTE: Options 80 and 81 are mutually exclusive.			
Sun2/170-OPT-91	Option to configure a Sun-2/170 server for 220/240 VAC, 48-63 Hz line power	N/C	
Sun2/170-OPT-95	<b>76-inch full height rack</b> <ul style="list-style-type: none"> <li>▪ Can accommodate any subset of the following:                             <ul style="list-style-type: none"> <li>- One 170, a 1/2-inch tape, an 8-inch disk (and/or 1/4-inch tape), and a 10 1/2-inch disk, OR</li> <li>- One 170, a 1/2-inch tape and two 10 1/2-inch disks.</li> </ul> </li> </ul>	3,900	B
ETHKIT-TAP	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'vampire tap' cable connector	500	Not discount-able
ETHKIT-INLINE	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'N-series' in-line cable connectors	500	Not discount-able
ETHKIT-THIN	Ethernet transceiver with 15 meter (49-ft.) branch cable and 'Thin Ethernet' BNC connectors	500	Not discount-able

# SYSTEM SOFTWARE DISTRIBUTION

## Sun-3 system software (release 3), including:

- 4.2 BSD version of UNIX operating system and utilities
- SunWindows multiwindow display manager
- SunCore device independent graphics library
- SunCGI Computer Graphics Interface
- C, FORTRAN, and Pascal compilers, and MC68020 assembler
- Network File System (NFS)
- Sun Visual / Integrated Environment for Workstations (SunView)
- Sun Programming Environment (SunPro)

NOTE: Right to Use license included with workstation hardware.

Order Number	Description	List Price	Discount Category
SYS3-01	Software distribution and Manuals ▪ 1/4-inch cartridge - U.S. Version ▪ Complete set of software manuals (SYS-09-3.x)	\$ 450	A
SYS3-02	Software distribution and Manuals ▪ 1/2-inch reel - U.S. Version ▪ Complete set of software manuals (SYS-09-3.x)	450	A
SYS3-03	Software distribution and Manuals ▪ 1/4-inch cartridge - International Version ▪ Complete set of software manuals (SYS-09-3.x)	450	A
SYS3-04	Software distribution and Manuals ▪ 1/2-inch reel - International Version ▪ Complete set of software manuals (SYS-09-3.x)	450	A
SYS3-05	Software distribution only ▪ 1/4-inch cartridge - U.S. Version	250	A
SYS3-06	Software distribution only ▪ 1/2-inch reel - U.S. Version	250	A
SYS3-07	Software distribution only ▪ 1/4-inch cartridge - International Version	250	A
SYS3-08	Software distribution only ▪ 1/2-inch reel - International Version	250	A
SYS-09-3.x	Complete Set of Software Manuals (Release 3) ▪ Includes manuals for release, 3.x versions of system software	250	A
800-1177-01	Manual "Networking on the Sun Workstations" ▪ Includes technical specifications for NFS, RPC, XDR and the Yellow Pages (YP)	50	Not discount-able
800-1419-01	The UNIX System: A Sun Technical Report	10	Not discount-able

## SYSTEM SOFTWARE DISTRIBUTION

### Sun-2 system software (release 2), including:

- 4.2BSD version of UNIX operating system and utilities
- SunWindows multiwindow display manager
- SunCore device independent graphics library
- SunCGI Computer Graphics Interface
- C, FORTRAN, and Pascal compilers, and MC68010 assembler
- Network File System (NFS)

NOTE: Right to Use license included with workstation hardware.

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
SYS2-01	Software distribution and Manuals ▪ 1/4-inch cartridge - U.S. Version ▪ Complete set of software manuals (SYS-09-2.x)	\$ 450	A
SYS2-02	Software distribution and Manuals ▪ 1/2-inch reel - U.S. Version ▪ Complete set of software manuals (SYS-09-2.x)	450	A
SYS2-03	Software distribution and Manuals ▪ 1/4-inch cartridge - International Version ▪ Complete set of software manuals (SYS-09-2.x)	450	A
SYS2-04	Software distribution and Manuals ▪ 1/2-inch reel - International Version ▪ Complete set of software manuals (SYS-09-2.x)	450	A
SYS2-05	Software distribution only ▪ 1/4-inch cartridge - U.S. Version	250	A
SYS2-06	Software distribution only ▪ 1/2-inch reel - U.S. Version	250	A
SYS2-07	Software distribution only ▪ 1/4-inch cartridge - International Version	250	A
SYS2-08	Software distribution only ▪ 1/2-inch reel - International Version	250	A
SYS-09-2.x	Complete Set of Software Manuals (Release 2) ▪ Includes manuals for release 2.x versions of system software	250	A
800-1177-01	Manual "Networking on the Sun Workstations" ▪ Includes technical specifications for NFS, RPC, XDR and the Yellow Pages (YP)	50	Not discount-able
800-1419-01	The UNIX System: A Sun Technical Report	10	Not discount-able

## SOFTWARE PRODUCTS

### INGRES Data Base Management Software:

NOTE: *INGRES3* products are compatible with Sun-3 systems;  
*INGRES2* products are compatible with Sun-2 systems.  
 Please include system hostid on sales order.

Order Number	Description	List Price	Discount Category
INGRES3-91	Software distribution and manuals, 1st copy at site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	\$ 3,990	Not discount-able
INGRES3-92	Software distribution and manuals, 1st copy at site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> <li>▪ Full documentation</li> </ul>	3,990	Not discount-able
INGRES3-00	RTU license only, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> </ul> NOTE: <i>One INGRES3-05 or INGRES3-06 must be ordered concurrently with an order for one or more INGRES3-00.</i>	2,040	A
INGRES3-01	Software distribution and manuals, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	2,290	A
INGRES3-02	Software distribution and manuals, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> <li>▪ Full documentation</li> </ul>	2,290	A
INGRES3-05	Software distribution only, additional copies at same site <ul style="list-style-type: none"> <li>▪ 1/4-inch cartridge</li> </ul>	150	A
INGRES3-06	Software distribution only, additional copies at same site <ul style="list-style-type: none"> <li>▪ 1/2-inch reel</li> </ul> NOTE: <i>INGRES3-05 and INGRES3-06 require RTU license (INGRES3-00).</i>	150	A



## SOFTWARE PRODUCTS

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
INGRES2-91	Software distribution and manuals, 1st copy at site ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	\$ 3,990	Not discount-able
INGRES2-92	Software distribution and manuals, 1st copy at site ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel ▪ Full documentation	3,990	Not discount-able
INGRES2-00	RTU license only, additional copies at same site ▪ Right to Use license for one Sun Workstation <i>NOTE: One INGRES2-05 or INGRES2-06 must be ordered concurrently with an order for one or more INGRES2-00.</i>	2,040	A
INGRES2-01	Software distribution and manuals, additional copies at same site ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	2,290	A
INGRES2-02	Software distribution and manuals, additional copies at same site ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel ▪ Full documentation	2,290	A
INGRES2-05	Software distribution only, additional copies at same site ▪ 1/4-inch cartridge	150	A
INGRES2-06	Software distribution only, additional copies at same site ▪ 1/2-inch reel <i>NOTE: INGRES3-05 and INGRES3-06 require RTU license (INGRES3-00).</i>	150	A
INGRES-09	Complete set of software manuals ▪ Manual set is identical for INGRES2 and INGRES3	150	A
800-1326-01	Manual "Introduction to INGRES" <i>NOTE: This manual is included in INGRES-09 complete manual set.</i>	25	A

## Sun UNIFY Data Base Management Software:

NOTE: UNIFY3 products are compatible with Sun-3 systems;  
 UNIFY2 products are compatible with Sun-2 systems.  
 Release 3.0 system software is required for UNIFY2  
 and UNIFY3.

Order Number	Description	List Price	Discount Category
UNIFY3-91	Software distribution and manuals, 1st copy at site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	\$ 2,295	Not discount-able
UNIFY3-92	Software distribution and manuals, 1st copy at site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> </ul>	2,295	Not discount-able
UNIFY3-00	RTU License only, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> </ul>	1,745	B
UNIFY3-01	Software distribution and manuals, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	1,995	B
UNIFY3-02	Software distribution and manuals, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> <li>▪ Full documentation</li> </ul>	1,995	B
UNIFY3-05	Software distribution only, additional copies at same site <ul style="list-style-type: none"> <li>▪ 1/4-inch cartridge</li> </ul>	150	B
UNIFY3-06	Software distribution only, additional copies at same site <ul style="list-style-type: none"> <li>▪ 1/2-inch reel</li> </ul>	150	B

NOTE: UNIFY3-05 AND UNIFY3-06 require  
 RTU license (UNIFY3-00).

## SOFTWARE PRODUCTS



<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
UNIFY2-91	<b>Software distribution and manuals, 1st copy at site</b> ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	\$ 2,295	Not discount-able
UNIFY2-92	<b>Software distribution and manuals, 1st copy at site</b> ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel	2,295	Not discount-able
UNIFY2-00	<b>RTU License only, additional copies at same site</b> ▪ Right to Use license for one Sun Workstation	1,745	B
UNIFY2-01	<b>Software distribution and manuals, additional copies at same site</b> ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	1,995	B
UNIFY2-02	<b>Software distribution and manuals, additional copies at same site</b> ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel ▪ Full documentation	1,995	B
UNIFY2-05	<b>Software distribution only, additional copies at same site</b> ▪ 1/4-inch cartridge	150	B
UNIFY2-06	<b>Software distribution only, additional copies at same site</b> ▪ 1/2-inch reel  NOTE: UNIFY2-05 AND UNIFY2-06 require RTU license (UNIFY2-00).	150	B
UNIFY-09	<b>Complete set of software manuals</b> ▪ Manual set is identical for UNIFY2 and UNIFY3	150	B

## SunAlis Integrated Office Automation Software:

NOTE: SunAlis3 products are compatible with Sun-3 systems;  
SunAlis2 products are compatible with Sun-2 systems.

Order Number	Description	List Price	Discount Category
SunAlis3-91	Software distribution and manuals, 1st copy at site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	\$ 2,295	Not discount-able
SunAlis3-92	Software distribution and manuals, 1st copy at site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> <li>▪ Full documentation</li> </ul>	2,295	Not discount-able
SunAlis3-00	RTU license only, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> </ul>	1,695	B
SunAlis3-01	Software distribution and manuals, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	1,995	B
SunAlis3-02	Software distribution and manuals, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> <li>▪ Full documentation</li> </ul>	1,995	B
SunAlis3-05	Software distribution only, additional copies at same site <ul style="list-style-type: none"> <li>▪ 1/4-inch cartridge</li> </ul>	180	B
SunAlis3-06	Software distribution only, additional copies at same site <ul style="list-style-type: none"> <li>▪ 1/2-inch reel</li> </ul> <p>NOTE: SunAlis3-05 and SunAlis3-06 require RTU license (SunAlis3-00).</p>	180	B
SunAlis3-10	RTU license only, 1-3 terminals at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for up to 3 terminals</li> </ul>	1,295	B
SunAlis3-11	RTU license only, 1-15 terminals at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for up to 15 terminals</li> </ul> <p>NOTE: SunAlis3-10 and SunAlis3-11 require previous purchase of 1st copy at site (SunAlis3-91 or SunAlis3-92) or RTU license (SunAlis3-00). Requires VT100-compatible terminals.</p>	3,295	B

## SOFTWARE PRODUCTS

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
SunAlis2-91	Software distribution and manuals, 1st copy at site ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	\$ 2,295	Not discount-able
SunAlis2-92	Software distribution and manuals, 1st copy at site ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel ▪ Full documentation	2,295	Not discount-able
SunAlis2-00	RTU license only, additional copies at same site ▪ Right to Use license for one Sun Workstation	1,695	B
SunAlis2-01	Software distribution and manuals, additional copies at same site ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	1,995	B
SunAlis2-02	Software distribution and manuals, additional copies at same site ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel ▪ Full documentation	1,995	B
SunAlis2-05	Software distribution only, additional copies at same site ▪ 1/4-inch cartridge	180	B
SunAlis2-06	Software distribution only, additional copies at same site ▪ 1/2-inch reel  <i>NOTE: SunAlis2-05 and SunAlis2-06 require RTU license (SunAlis2-00).</i>	180	B
SunAlis2-10	RTU license only, 1-3 terminals at same site ▪ Right to Use license for up to 3 terminals	1,295	B
SunAlis2-11	RTU license only, 1-15 terminals at same site ▪ Right to Use license for up to 15 terminals  <i>NOTE: SunAlis2-10 and SunAlis2-11 require previous purchase of 1st copy at site (SunAlis2-91 or SunAlis2-92) or RTU license (SunAlis2-00). Requires VT100-compatible terminals.</i>	3,295	B
SunAlis-09	Complete set of software manuals ▪ Includes manuals for SunAlis2 and SunAlis3 products	160	B

## Sun Common Lisp Development Environment:

NOTE: SCLISP3 products are compatible with Sun-3 systems;  
SCLISP2 products are compatible with Sun-2 systems.

Order Number	Description	List Price	Discount Category
SCLISP3-D-91	Software distribution and manuals, 1st copy at site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	\$ 3,500	Not discount-able
SCLISP3-D-92	Software distribution and manuals, 1st copy at site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> <li>▪ Full documentation</li> </ul>	3,500	Not discount-able
SCLISP3-D-00	RTU license only, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> </ul>	2,700	B
SCLISP3-D-01	Software distribution and manuals, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	3,000	B
SCLISP3-D-02	Software distribution and manuals, additional copies at same site <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> <li>▪ Full documentation</li> </ul>	3,000	B
SCLISP3-D-05	Software distribution and manuals, copies at same site <ul style="list-style-type: none"> <li>▪ 1/4-inch cartridge</li> </ul>	180	B
SCLISP3-D-06	Software distribution and manuals, copies at same site <ul style="list-style-type: none"> <li>▪ 1/2-inch reel</li> </ul>	180	B

NOTE: SCLISP3-D-05 & SCLISP3-D-06 require  
RTU license (SCLISP3-D-00).

## SOFTWARE PRODUCTS



<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
SCLISP2-D-91	Software distribution and manuals, 1st copy at site ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	\$ 3,500	Not discount-able
SCLISP2-D-92	Software distribution and manuals, 1st copy at site ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel ▪ Full documentation	3,500	Not discount-able
SCLISP2-D-00	RTU license only, additional copies at same site ▪ Right to Use license for one Sun Workstation	2,700	B
SCLISP2-D-01	Software distribution and manuals, additional copies at same site ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	3,000	B
SCLISP2-D-02	Software distribution and manuals, additional copies at same site ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel ▪ Full documentation	3,000	B
SCLISP2-D-05	Software distribution and manuals, copies at same site ▪ 1/4-inch cartridge	180	B
SCLISP2-D-06	Software distribution and manuals, copies at same site ▪ 1/2-inch reel	180	B

NOTE: SCLISP2-D-05 & SCLISP2-D-06 require RTU license (SCLISP2-D-00).

## Sun Common Lisp Applications Environment:

NOTE: *SCLISP3 products are compatible with Sun-3 systems;*  
*SCLISP2 products are compatible with Sun-2 systems.*

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
SCLISP3-E-00	RTU license only <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> </ul>	\$ 550	B
SCLISP3-E-01	Software distribution and manuals <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	875	B
SCLISP3-E-02	Software distribution and manuals <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> <li>▪ Full documentation</li> </ul>	875	B
SCLISP2-E-00	RTU license only <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> </ul>	550	B
SCLISP2-E-01	Software distribution and manuals <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/4-inch cartridge</li> <li>▪ Full documentation</li> </ul>	875	B
SCLISP2-E-02	Software distribution and manuals <ul style="list-style-type: none"> <li>▪ Right to Use license for one Sun Workstation</li> <li>▪ 1/2-inch reel</li> <li>▪ Full documentation</li> </ul>	875	B
SCLISP-09	Complete set of software manuals <ul style="list-style-type: none"> <li>▪ Includes manuals for all SCLISP products (SCLISP2-D, SCLISP3-D, SCLISP2-E and SCLISP3-E)</li> </ul>	170	B



## SOFTWARE PRODUCTS

### Sun Graphics Kernel System (SunGKS):

NOTE: SunGKS3 products are compatible with Sun-3 systems;  
SunGKS2 products are compatible with Sun-2 systems.



Order Number	Description	List Price	Discount Category
SunGKS3-00	RTU license only ▪ Right to Use license for one Sun Workstation	\$ 800	A
SunGKS3-01	Software distribution and manuals ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	950	A
SunGKS3-02	Software distribution and manuals ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel ▪ Full documentation	950	A
SunGKS3-05	Software distribution only ▪ 1/4-inch cartridge	150	A
SunGKS3-06	Software distribution only ▪ 1/2-inch reel NOTE: SunGKS3-05 and SunGKS3-06 require RTU license (SunGKS3-00).	150	A
SunGKS2-00	RTU license only ▪ Right to Use license for one Sun Workstation	800	A
SunGKS2-01	Software distribution and manuals ▪ Right to Use license for one Sun Workstation ▪ 1/4-inch cartridge ▪ Full documentation	950	A
SunGKS2-02	Software distribution and manuals ▪ Right to Use license for one Sun Workstation ▪ 1/2-inch reel ▪ Full documentation	950	A
SunGKS2-05	Software distribution only ▪ 1/4-inch cartridge	150	A
SunGKS2-06	Software distribution only ▪ 1/2-inch reel NOTE: SunGKS2-05 and SunGKS2-06 require RTU license (SunGKS2-00).	150	A
SunGKS-09	Complete set of software manuals ▪ Includes manuals for SunGKS2 and SunGKS3 products	50	A

# SUNLINK COMMUNICATION PRODUCTS

## SunLink SNA 3270:

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
SNA3270-00	SNA 3270 for all Sun products ▪ Right to Use license	\$ 1,850	B
SNA3270-01	SNA 3270 for all Sun products ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation	2,000	B
SNA3270-02	SNA 3270 for all Sun products ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation	2,000	B
SNA3270-09	SNA 3270 for all Sun products ▪ Full documentation only	50	B
SNA3270/VSCP-01	SNA 3270 for Sun-2/130, Sun-2/160, Sun-3/160M,C,S or Sun-3/180S ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
SNA3270/VSCP-02	SNA 3270 for Sun-2/130, Sun-2/160, Sun-3/160M,C,S or Sun-3/180S ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
SNA3270/MSCP120-01	SNA 3270 for Sun-2/120 ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
SNA3270/MSCP120-02	SNA 3270 for Sun-2/120 ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
SNA3270/MSCP170-01	SNA 3270 for Sun-2/170 ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
SNA3270/MSCP170-02	SNA 3270 for Sun-2/170 ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B

# SUNLINK COMMUNICATION PRODUCTS

## SunLink Internetwork Router:



<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
IR-00	IR for all Sun products ▪ Right to Use license	\$ 1,850	B
IR-01	IR for all Sun products ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation	2,000	B
IR-02	IR for all Sun products ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation	2,000	B
IR-09	IR for all Sun products ▪ Full documentation only	50	B
IR/VSCP-01	IR for Sun-2/130, Sun-2/160, Sun-3/160M,C,S or Sun-3/180S ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
IR/VSCP-02	IR for Sun-2/130, Sun-2/160, Sun-3/160M,C,S or Sun-3/180S ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
IR/MSCP120-01	IR for Sun-2/120 ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
IR/MSCP120-02	IR for Sun-2/120 ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
IR/MSCP170-01	IR for Sun-2/170 ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
IR/MSCP170-02	IR for Sun-2/170 ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B

## SunLink X.25:

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
X.25-00	X.25 for all Sun Products ▪ Right to Use license	\$ 1,850	B
X.25-01	X.25 for all Sun Products ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation	2,000	B
X.25-02	X.25 for all Sun Products ▪ Right to Use license ▪ 1/2-inch reel ▪ all documentation	2,000	B
X.25-09	X.25 for all Sun Products ▪ Documentation only	50	B
X.25/VSCP-01	X.25 for Sun-2/130, Sun-2/160, Sun-3/160M,C,S or Sun-3/180S ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
X.25/VSCP-02	X.25 for Sun-2/130, Sun-2/160, Sun-3/160M,C,S or Sun-3/180S ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
X.25/MSCP120-01	X.25 for Sun-2/120 ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
X.25/MSCP120-02	X.25 for Sun-2/120 ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
X.25/MSCP170-01	X.25 for Sun-2/170 ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B
X.25/MSCP170-02	X.25 for Sun-2/170 ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation ▪ SunLink Communication Processor (SCP) board	6,500	B

## SUNLINK COMMUNICATION PRODUCTS

### SunLink BSC RJE:

NOTE: BSC RJE available only as a standalone software product.

Order Number	Description	List Price	Discount Category
BSCRJE-00	BSC RJE for all Sun products ▪ Right to Use license	\$ 1,350	B
BSCRJE-01	BSC RJE for all Sun products ▪ Right to Use license ▪ 1/4-inch cartridge ▪ Full documentation	1,500	B
BSCRJE-02	BSC RJE for all Sun products ▪ Right to Use license ▪ 1/2-inch reel ▪ Full documentation	1,500	B
BSCRJE-09	BSC RJE for all Sun products ▪ Full documentation only	50	B

### SunLink Communication Processor (SCP) Upgrade:

NOTE: Customer should also have SNA 3270 or IR software.

VSCP-01	SCP hardware for Sun-2/130, Sun-2/160, Sun-3/160M,C,S or Sun-3/180S ▪ Support software on 1/4-inch cartridge ▪ Full documentation	5,000	B
VSCP-02	SCP hardware for Sun-2/130, Sun-2/160, Sun-3/160M,C,S or Sun-3/180S ▪ Support software on 1/2-inch reel ▪ Full documentation	5,000	B
MSCP120-01	SCP hardware for Sun-2/120 ▪ Support software on 1/4-inch cartridge ▪ Full documentation	5,000	B
MSCP120-02	SCP hardware for Sun-2/120 ▪ Support software on 1/2-inch reel ▪ Full documentation	5,000	B
MSCP170-01	SCP hardware for Sun-2/170 ▪ Support software on 1/4-inch cartridge ▪ Full documentation	5,000	B
MSCP170-02	SCP hardware for Sun-2/170 ▪ Support software on 1/2-inch reel ▪ Full documentation	5,000	B

# PRINTERS

<i>Order Number</i>	<i>Description</i>	<i>List Price</i>	<i>Discount Category</i>
Sun/LW-1	<b>Sun LaserWriter, 110 VAC</b> ■ MC68000 graphics controller with 2 MBytes of memory ■ 8 page per minute printing engine ■ Supports PostScript™ protocols with built-in fonts with point sizes from 4pt on up ■ TranScript™ UNIX filters	\$ 7,750	B*
Sun/LW-2	<b>Sun LaserWriter, 220 VAC</b>	7,750	B*
Sun/LW-3	<b>Sun LaserWriter, 240 VAC</b>	7,750	B*
Sun/LW-OPT-01	<b>Software distribution and Manuals</b> ■ 1/4-inch cartridge - U.S. and International	N/C	
Sun/LW-OPT-02	<b>Software distribution and Manuals</b> ■ 1/2-inch reel - U.S. and International	N/C	
<i>NOTE: Option 01 or 02 may only be ordered with each new LaserWriter or Interface Kit.</i>			
Sun/LW-OPT-11	<b>LaserWriter Interface Kit</b> (Included at no charge with the purchase of a LaserWriter from Sun) ■ Serial Cable ■ TranScript™ UNIX filters for troff, ditroff, plot, and Diablo 630 print files. ■ User documentation	1,800	Not Discountable
Sun/LW-OPT-21	<b>Toner Cartridge - Four Pak</b>	500	Not Discountable

\* Maximum discount is 15%

## ACCESSORIES

Order Number	Description	List Price	Discount Category
ECX	<p>Ethernet coaxial cable (15 meters)</p> <ul style="list-style-type: none"> <li>▪ Each segment equipped with transceiver connectors</li> <li>▪ Each separate network installed by customer requires two terminators</li> </ul> <p>NOTE: If an Ethernet cable is to run more than 15 meters between transceiver taps, Sun Microsystems recommends that customers purchase longer single segments of Ethernet cable from cable vendors e.g., Belden (317) 983-5200 or 3Com (415) 961-9602.</p>	\$ 200	†
ETR	Ethernet terminators (2), 50 Ohms	60	†
UG-OPT-40	Sun Ethernet controller upgrade to replace 3COM Ethernet Controller	795	†
ETH-TAP-TOOL	Ethernet piercing tap tool kit for use on ETHKIT-TAP "vampire" type transceiver cable connections	75	†
BTC	1/4-inch certified tape cartridge (blank)	50	†
BTR	1/2-inch tape reel (blank)	50	†

† Accessories are not discountable.



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