

SEPTEMBER 14, 1992

Apple Computer, Inc. Suggested Retail Prices

Apple II Products

Product	Description	Suggested Retail Price (Each)
<u>APPLE II CPUs</u>		
A2S2128	Apple® IIe 128K CPU	829.00
A0012LL/A	Apple IIGS® 1MB CPU <i>System disk, System Tools and Guided Tour disks provided on 3.5" media only.</i>	1149.00
<u>APPLE II MONITORS</u>		
A2M6014	AppleColor™ RGB Monitor (IIGS)	599.00
A2M6021	AppleColor Composite Monitor IIe	399.00
<u>APPLE II DRIVES</u>		
M0112LL/B	Apple SuperDrive <i>Requires Controller Card (A0076LL/A) when used with Apple IIe. Will operate with Apple IIGS as an 800K drive unless the Controller Card is used.</i>	399.00
A0076LL/A	Apple II SuperDrive Controller Card <i>Required with Apple IIe to use the Apple SuperDrive. Required with Apple IIGS to use the Apple SuperDrive as a 1.4MB drive.</i>	149.00
A9M0107	Apple 5.25 Drive	329.00
A9C0320	Apple IIe Accessory Kit <i>(includes 5.25 controller card)</i> <i>To use the 5.25 drive with the 128K Apple IIe also requires A2D4041.</i>	50.00
A2D4041	Apple II System Disk User's Guide <i>To use the 5.25 drive with the 128K Apple IIe also requires A9C0320.</i>	19.00
M2700LL/D	AppleCD 150™ <i>Requires SCSI Card and appropriate SCSI cable configuration.</i>	599.00
<u>APPLE II EXPANSION</u>		
A2M2058	Apple II 256K Memory Expansion Kit	39.00
A2B6002	Apple IIGS Memory Expansion Card	87.00
A2B2086	Apple IIe Memory Expansion Card	229.00
A0220LL/A	Apple II High-Speed SCSI Card <i>(requires appropriate SCSI cables)</i>	129.00
A2B2023	Extended 80-Column Text Card (IIe)	100.00
A2B0044	Super Serial Card	139.00
A2B2092	Apple II Video Overlay Card	549.00
<u>APPLE II MISCELLANEOUS ACCESSORIES</u>		
M2705	AppleCD SC Caddy (box/5)	50.00/bx
A9M0103	Apple MIDI Interface <i>Connects Apple IIGS to MIDI equipped musical instruments. Cables included.</i>	99.00
A2M2070	AppleMouse IIe	149.00
A2M2052	Apple IIe Enhancement Kit <i>Suggested Retail Price includes installation fee.</i>	70.00
A2M2012	Joystick II	59.95

All peripherals should be ordered with the appropriate cables.

Macintosh® PowerBook™ /Portable Products

Product	Description	Suggested Retail Price
<u>MACINTOSH POWERBOOKS</u>		
Includes AppleTalk Remote Access software and AC Adapter. Internal modem NOT included unless otherwise noted.		(Each)
M4630LL/A	Macintosh PowerBook 145 4MB Hard Disk	402399.00
M4650LL/A	Macintosh PowerBook 145 4MB Hard Disk	802799.00
M1057LL/A	Macintosh PowerBook 170 4MB Hard Disk 40 <i>(includes internal Fax/Data modem)</i>	4599.00
M1174LL/A	Macintosh PowerBook 170 4MB Hard Disk 40	4299.00
M1295LL/A	Macintosh PowerBook 170 2MB Hard Disk 80	4299.00
M1267LL/A	Macintosh PowerBook 170 4MB Hard Disk 80	4599.00
<u>MACINTOSH POWERBOOK MEMORY & PERIPHERALS</u>		
M1032LL/A	Macintosh PowerBook 2MB Memory Exp. Kit <i>To upgrade a 2MB PowerBook to 4MB RAM Requires installation by an authorized Apple Service Provider.</i>	299.00
M1033LL/A	Macintosh PowerBook 4MB Memory Exp. Kit <i>To upgrade a 2MB PowerBook to 6MB RAM. Requires installation by an authorized Apple Service Provider.</i>	549.00
M0970LL/A	Macintosh PowerBook Internal Fax/Data Modem	249.00
M1183LL/A	Macintosh PowerBook 100 Rechargeable Battery	89.00
M5130LL/A	Macintosh PowerBook 100 Battery Recharger <i>(uses AC Adapter)</i>	99.00
M5545LL/A	Macintosh PowerBook 140/170 Rechargeable Battery <i>Also for use with PowerBook 145.</i>	89.00
M1027LL/A	Macintosh PowerBook 140/170 Battery Recharger <i>(uses AC Adapter)</i> <i>Also for use with PowerBook 145.</i>	99.00
M1058LL/A	Macintosh PowerBook AC Adapter	69.00
M2539LL/A	Apple HDI-30 SCSI Disk Adapter <i>Enables use of the PowerBook 100 as an external hard disk with another Macintosh system. Requires appropriate SCSI cables.</i>	44.00
M2538LL/A	Apple HDI-30 SCSI System Cable <i>Connects any Macintosh PowerBook to a SCSI device.</i>	44.00
M8061	Macintosh HDI-20 External 1.4MB Floppy Disk Drive <i>(PowerBook 100 only)</i>	249.00
M0142	Apple Desktop Bus™ Mouse	99.00
<u>MACINTOSH PORTABLE PERIPHERAL OPTIONS</u>		
M0239	Macintosh Portable Numeric Keypad Module <i>Requires installation by an authorized Apple Service Provider.</i>	69.00
M0250	Macintosh Portable Data Modem 2400	449.00
M0275	Macintosh Portable Battery Recharger <i>(includes power adapter)</i>	129.00
M0277	Macintosh Portable Rechargeable Battery	49.00

Macintosh Products

Product	Description	Suggested Retail Price
<u>MACINTOSH ENTRY LEVEL CPUs</u>		(Each)
Standard keyboard included unless otherwise noted. Display sold separately from Macintosh LC.		
M1543LL/A	Macintosh Classic II 4MB Hard Disk 40 CPU	1699.00
M1542LL/A	Macintosh Classic II 4MB Hard Disk 80 CPU	1849.00
M1701LL/A	Macintosh LC II 4MB Hard Disk 40 CPU	1699.00
M1707LL/A	Macintosh LC II 4MB Hard Disk 80 CPU w/512K VRAM <i>(no keyboard)</i>	1849.00
<u>MACINTOSH II CPUs</u>		
Keyboard and display sold separately.		
M0491LL/B	Macintosh IIsi 3MB Hard Disk 40 CPU	2499.00
M0364LL/B	Macintosh IIsi 5MB Hard Disk 80 CPU	2999.00
M5728LL/A	Macintosh IIfx 5MB CPU w/Cache Card	3299.00
M5718LL/A	Macintosh IIfx 5MB Hard Disk 80 CPU w/Cache Card	3999.00
M5742LL/A	Macintosh IIfx 4MB Hard Disk 80 Parity CPU w/Cache Card <i>(Allow approximately 4 weeks for delivery)</i>	4399.00
M5743LL/A	Macintosh IIfx 5MB Hard Disk 230 CPU w/Cache Card	4599.00
<u>MACINTOSH QUADRA CPUs</u>		
Keyboard and display sold separately.		
M5921LL/A	Macintosh Quadra™ 700 4MB CPU	5199.00
M5922LL/A	Macintosh Quadra 700 4MB Hard Disk 80 CPU	5899.00
M5729LL/A	Macintosh Quadra 700 4MB Hard Disk 230 CPU	6499.00
M5724LL/A	Macintosh Quadra 700 4MB Hard Disk 400 CPU	7199.00
M6710LL/A	Macintosh Quadra 950 8MB CPU	7199.00
M6720LL/A	Macintosh Quadra 950 8MB Hard Disk 230 CPU	8499.00
M6730LL/A	Macintosh Quadra 950 8MB Hard Disk 400 CPU	9199.00
<u>MACINTOSH KEYBOARDS</u>		
M0487LL/A	Apple Keyboard II	129.00
M0312	Apple Extended Keyboard II	229.00

Product	Description	Suggested Retail Price (Each)
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MACINTOSH DISPLAYS, CARDS, & VIDEO EXPANSION

Macintosh LC, IIsi, IIfx and Quadra use built-in video support unless otherwise noted.

M0298LL/A	Macintosh 12" Monochrome Display	299.00
M0297LL/C	Macintosh 12" RGB Display	599.00
M0401LL/B	AppleColor High-Resolution RGB Monitor	799.00
M1044LL/A	Macintosh 16" Color Display	1599.00
	<i>IIsi (w/NuBus Adapter Card), IIfx require Display Card 8•24 or 8•24GC.</i>	
M5812LL/A	Macintosh 21" Color Display	4599.00
	<i>IIsi (w/NuBus Adapter Card), IIfx require Display Card 8•24 or 8•24GC.</i>	
M0404	Apple Macintosh Portrait Display	1099.00
	<i>IIsi, IIfx and Quadra use built-in support.</i>	
M0507PA/B	Macintosh Display Card 8•24	699.00
	<i>Requires System Software 6.0.5 or later.</i>	
M0122LL/C	Macintosh Display Card 8•24 GC	1499.00
	<i>Requires System Software v7 or later. Not for use with the Macintosh Quadras.</i>	
M0505LL/A	Macintosh Display Card DRAM Expansion Kit (2-1MB SIMMs)	499.00
	<i>For use with Macintosh Display Card 8•24 GC. Requires installation by an authorized Apple Service Provider.</i>	
M5953LL/A	Macintosh Quadra VRAM Expansion Kit (2-256K SIMMs)	175.00
	<i>Provides greater on-screen colors for Macintosh Quadra. Requires installation by an authorized Apple Service Provider.</i>	
M0517LL/A	Macintosh LC 512K VRAM SIMM	175.00
	<i>Provides greater on-screen colors for Macintosh LC. Requires installation by an authorized Apple Service Provider.</i>	
M0403	Apple Universal Monitor Stand	89.00

Macintosh Upgrades

These Products require installation by an authorized Apple Service Provide unless otherwise noted.
System Software provided by reseller unless otherwise noted.

Product	Description	Suggested Retail Price (Each)
<u>MACINTOSH ENTRY LEVEL UPGRADES</u>		
M1710LL/A	Macintosh LC II Logic Board Upgrade <i>To upgrade Macintosh LC to Macintosh LC II. Includes 2MB RAM, system software v7.0.1 and new top cover.</i>	799.00
M1545LL/A	Macintosh Classic II Logic Board Upgrade <i>To upgrade Macintosh Classic to Macintosh Classic II. Also includes 2MB RAM, system software, microphone and new case. System Software requires hard disk (not included).</i>	699.00
M6052/B	Macintosh SE FDHD Upgrade Kit <i>To upgrade Macintosh SE to Macintosh FDHD SE. Includes Macintosh SE FDHD Rom Kit (M0242), and Internal SuperDrive (M0247).</i>	449.00
M0444LL/C	Apple IIe Card for Macintosh LC v2.1 <i>Compatible only with the Apple 5.25 drive-A9M0107, Apple UniDisk 3.5 drive-A2M Supports internal Macintosh LC drives and up to 3 external drives (maximum combination of up to two Apple 5.25 drives and one UniDisk 3.5 drive).</i>	199.00
M1222LL/B	Apple IIe Card Upgrade Package <i>Software to upgrade prior versions to v2.1</i>	29.00
<u>MACINTOSH II UPGRADES</u>		
M6051/C	Macintosh II FDHD Upgrade Kit <i>Includes Internal SuperDrive (M0247), and ROM/SWIM Kit (M0244).</i>	449.00
M0375LL/B	Macintosh IIfx Logic Board Upgrade <i>To upgrade Macintosh II (w/M0247) or IIx to Macintosh IIfx. DRAM is required (4MB) and must be purchased separately.</i>	2599.00
M5816LL/A	Macintosh IIci Logic Board Upgrade <i>To upgrade Macintosh IIcx to Macintosh IIci. DRAM is required and must be purchased separately.</i>	1499.00
M0326LL/B	Macintosh IIci Cache Card (customer installable)	399.00
M0480LL/A	Macintosh IIsi 030 Direct Slot Adapter Card (customer installable) <i>Allows addition of one 030 Direct Slot Expansion Card. Includes 68882 floating point math co-processor.</i>	249.00
M0481LL/A	Macintosh IIsi NuBus Adapter Card (customer installable) <i>Allows addition of one NuBus Expansion Card. Includes 68882 floating point math co-processor.</i>	249.00
<u>MACINTOSH QUADRA UPGRADE</u>		
M5950LL/A	Macintosh Quadra 700 Logic Board Upgrade <i>To upgrade Macintosh IIcx or IIci to Macintosh Quadra 700. Also includes 4MB DRAM, system software, microphone and new case.</i>	3499.00
M1421LL/A	Macintosh Quadra 950 Logic Board Upgrade <i>To upgrade Macintosh Quadra 900 to Macintosh Quadra 950. Special pricing for this upgrade is available through 12/27/92. Effective 12/28/92, SRP will be raised to the price shown. Includes Logic Board, Set-up Guide and Quadra 950 name plate. Uses same DRAM and System Software as the Quadra 900.</i>	1499.00 3000.00 (eff. 12/28/92)

These components contain proprietary software, that is licensed, rather than sold to you in conjunction with the sale of the non-software items. These components may be used only for replacement of the same or comparable components in Apple Products. These components may not be sold or sublicensed except to the owner of an Apple Product as part of the servicing or upgrade of that Product, and the replaced component must be received in exchange.

A/UX[®] 3.0 Products

See the Apple Support Products section for Technical Assistance Products.
See the Apple In Print catalog for A/UX collateral material.

Product	Description	Suggested Retail Price (Each)
CPU's		
Includes A/UX pre-installed, 1 year of Phone Support Service and release notes. Keyboard & Monitor not included. Orders for these A/UX CPU's cannot be cancelled or changed after receipt by Support Center. Allow approximately 4 weeks for delivery - subject to product availability constraints.		
B0860LL/A	Macintosh IIsi A/UX 9MB Hard Disk 80 CPU <i>Includes IIsi A/UX CPU w/Adapter Card (M1410LL/A) and A/UX CD-ROM Product (M0598LL/B).</i>	4008.00
B0859LL/A	Macintosh IIci A/UX 8MB Hard Disk 230 CPU <i>Includes IIci A/UX CPU w/Cache Card (M5731LL/A) and A/UX CD-ROM Product (M0598LL/B).</i>	5533.00
B0857LL/A	Macintosh Quadra 700 A/UX 8MB Hard Disk 230 CPU <i>Includes Quadra 700 A/UX CPU (M5954LL/A) and A/UX CD-ROM Product (M0598LL/B).</i>	8008.00
B0858LL/A	Macintosh Quadra 950 8MB A/UX Hard Disk 400 CPU <i>Includes Quadra 950 A/UX CPU (M6750LL/A) and A/UX CD-ROM Product (M0598LL/B).</i>	10208.00

MEDIA

8MB RAM recommended with Macintosh SE/30, Iix, IIsi, IIcx, IIci, IIfx, Macintosh II (w/PMMU upgrade) and all Quadras.
Includes 1 year of Phone Support Service, release notes, Essential Manual Set and Installation Guide.
To copy A/UX to multiple systems, order 1 of the Media or CPU product and multiples of the Right-to-Copy license (M0740LL/A).

M0598LL/B	A/UX 3.0 CD-ROM Product	709.00
B0856LL/A	A/UX 3.0 CD-ROM Product Bundle <i>Includes Apple CD 150 (M0598LL/B) and A/UX CD-ROM Product (M2700LL/D).</i>	1208.00

A/UX MANUAL SETS

M0430LL/B	Programming Manuals <i>For users developing UNIX applications for A/UX. Includes A/UX Toolbox: Macintosh ROM Interface; Programming Languages and Tools Volume 1, Programming Languages and Tools 2; A/UX Programmer's Reference and A/UX Shells and Shell Programming.</i>	355.00
M0431LL/B	Administration Manuals <i>For system administrators of A/UX systems & workgroups. Includes A/UX Local System Administration, A/UX Network System Administration A/UX System Administrator's Reference, A/UX Text-Processing Tools, A/UX Reference Summary and Index, and A/UX Command Reference.</i>	355.00
M1182LL/A	X11 for A/UX Manuals <i>For users needing additional manuals for "copy" systems. Includes X11 User's Guide for A/UX, X11 Command Reference for A/UX, and X11 Programmers Reference for A/UX. Reference Manuals are also available on-line in A/UX 3.0.</i>	150.00

SOFTWARE & MANUAL UPDATES for A/UX 2.0.1 and prior versions

To update multiple systems, order 1 Update Product and multiples of the Right-to-Update license (M0741LL/A).

M0599LL/B	A/UX Update Product - CD-ROM (<i>updates previous versions to 3.0</i>) <i>Includes Essential Manual Set and Installation Guide.</i>	245.00
M0489LL/B	A/UX Programmers Manuals Update <i>Upgrades previous manuals to 3.0.</i>	309.00

Upgrades previous manuals to 3.0.

A/UX Licensing Products continued on next page.

Suggested

Product	Description	Retail Price (Each)
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A/UX/MACX LICENSING PRODUCTS

License/Invoice only - no software. Each licensing product requires a completed licensing application available on AppleLink under the Apple Products icon in the A/UX folder.

M0740LL/A	Right-to-Copy A/UX 3.0 to one additional system <i>To copy to more than one system, order multiples of M0740LL/A.</i>	439.00
M0741LL/A	Right-to-Update A/UX 3.0 to one additional system <i>To update more than one system, order multiples of M0741LL/A.</i>	88.00
M0597LL/B	A/UX Essential Manual Set <i>For right-to-copy and right-to-update customers that need basic manuals for the additional systems. Includes Road Map to A/UX, A/UX Installation Guide, A/UX Essentials, A/UX Networking Essentials, Setting Up Accounts & Peripherals for A/UX, MacX User's Guide, and X11 User's Guide for A/UX.</i>	174.00
M0747LL/C	MacX Site License <i>Allows unlimited copies of MacX 1.1.7 software for the Macintosh Operating System qualified site.</i>	3565.00
M8099LL/A	A/UX 32 User License Product <i>Allows expansion from sixteen (16) up to thirty two (32) users on a single CPU running A/UX.</i>	2500.00

**Additional A/UX Development Products are available from APDA.
To subscribe or to order products from APDA, call 800-282-2732.**

Apple Software

For software update subscriptions see the Apple Support Products section.
See the Networking & Communications section for additional Apple software.

Product	Description	Suggested Retail Price
<u>MACINTOSH SOFTWARE</u>		
M0681/C	Macintosh System Software v6.0.8	(Each) 49.00
M8220LL/B	Macintosh System Software v7™ Personal Upgrade Kit <i>Requires minimum 2MB RAM and a hard drive. Includes System Software, HyperCard, compatibility information, manuals, and 90 day upgrade phone support.</i>	99.00
M8221LL/B	Macintosh System Software v7 Group Upgrade Kit <i>Requires minimum 2MB RAM and a hard drive (or optional AppleCD drive). Recommended when upgrading 6 or more systems. Includes System Software, HyperCard, compatibility information, System 7 Upgrade CD-ROM disc, Group Upgrade Guide, manuals (1set), and 180 day upgrade phone support and a site license.</i>	349.00
M8223LL/A	Macintosh System Software v7 Manuals (5/pack) <i>For site license customers needing additional manuals. Includes "What's New in Macintosh System Software v7," "Macintosh Reference" and "Macintosh Networking."</i>	249.00/pk

APPLE UTILITIES FOR MACINTOSH

M1269LL/A	QuickTime™ Starter Kit	169.00
M1252LL/A	Macintosh PC Exchange	79.00
M1436LL/A	At Ease™ (requires System Software 7.0 or later)	59.00
M8063Z/A	MacODA	149.00

MACINTOSH DEVELOPMENT SOFTWARE

These products are available through APDA.

To subscribe or order products from APDA, call 800-282-2732.

For more information see the APDA folder under the Developer Support icon on AppleLink.

MacApp
MPW (Macintosh Programmers Workshop) with C, C++ or Object Pascal
Macintosh Common Lisp

APPLE II SOFTWARE

A0077LL/A	Apple IIGS System Software v6.0 <i>Requires minimum 1MB RAM, ROM version 01 or 03, and a 3.5 disk drive. 2MB RAM and a hard drive recommended.</i>	39.00
A0027LL/B	HyperCard IIGS v1.1 <i>Requires minimum 1.5MB RAM, ROM version 01 or 03, and a hard drive or network environment. Requires System Software 5.0.4 or later.</i>	69.00
A2D4041	Apple II System Disk User's Guide <i>To use the 5.25 drive with the 128K Apple IIe order A9C0320 (includes controller card) and A2D4041.</i>	19.00

Networking & Communications Products

For software update subscriptions see the Apple Support Products section.
 See the Apple Development Products folder on AppleLink for additional N&C products.
 See the Apple In Print catalog for N & C Selling Material.

Product	Description	Suggested Retail Price
<u>TELECOMMUNICATIONS</u>		(Each)
<i>HARDWARE</i>		
C0002LL/B	Apple Modem 2400 <i>(requires appropriate cables)</i>	349.00
<i>SOFTWARE</i>		
A2D2013	Apple Access II v1.3.1	75.00
M0708	MacTerminal® v3.0	125.00
M0108LL/C	MacX 1.1.7	295.00
<i>Site License available (M0747LL/B), see page 8.</i>		
M1197LL/A	MacX 1.1.7 Update	95.00
<i>Upgrade for 1.0 or 1.1 customers needing System 7 Support.</i>		
M0602LL/B	MacX Manual Set <i>(for users needing additional manuals)</i>	85.00
<u>APPLETALK NETWORK</u>		
<i>HARDWARE</i>		
M0417LL/A	Apple Ethernet NB Card <i>(transceiver required)</i>	424.00
<i>Requires a NuBus Adapter Card when used with the IIsi.</i>		
M0443LL/B	Apple Ethernet LC Card <i>(transceiver required)</i>	199.00
M0437LL/A	Apple Ethernet Twisted Pair Transceiver	175.00
M0329LL/A	Apple Ethernet Thin Coax Transceiver	175.00
M0833LL/A	Apple Ethernet 5 meter Thin Coax Cable	49.00
M0436LL/A	Apple Ethernet 13 meter Thin Coax Plenum Cable	99.00
M0432LL/A	Apple Ethernet AUI Adapter	175.00
A2B2088	Apple II Workstation Card	249.00
<i>SOFTWARE</i>		
M0090LL/B	AppleShare Server 3.0.1	1199.00
<i>Requires any System 7 Macintosh w/hard disk and minimum 4MB RAM. Supports System 6 and System 7 clients.</i>		
M8047LL/A	AppleShare Server 3.0 Manual	49.00
<i>For users needing additional manuals.</i>		
M0705LL/B	AppleTalk® Internet Router v2.0	399.00
M0033LL/A	AppleTalk Remote Access <i>(requires System 7)</i>	199.00
M0697	Inter•Poll™ Network Administrator's Utility v1.0.1	129.00

Continued on the following page.

Product	Description	Suggested Retail Price (Each)
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SNA COMMUNICATIONS

HARDWARE

M0415LL/A	Apple Token Ring 4/16 NB Card <i>Requires a NuBus Adapter Card when used with the IIsi.</i>	999.00
M0261/A	Apple Coax/Twinax Card <i>Requires a NuBus Adapter Card when used with the IIsi.</i>	1250.00
M0264	Apple Serial NB Card (<i>requires RS232 or V.35 cable</i>) <i>Requires a NuBus Adapter Card when used with the IIsi.</i>	1195.00
M0128LL/A	Apple RS232 Cable	129.00
M0127LL/A	Apple V.35 Cable	189.00
M0145LL/A	Macintosh Coprocessor Platform Memory Exp. Kit <i>Contains 512K chip set (4 chips) to upgrade Coax/Twinax, EtherNet NB, Serial NB TokenRing 4/16 to a total of 1MB.</i>	195.00

SOFTWARE

SNA•ps™ Gateway

Software that runs on an Apple Serial NB, Apple Coax/Twinax, or Apple Token Ring 4/16 NB card in a Macintosh II or Quadra. Provides SNA-direct or AppleTalk gateway services to IBM host systems for Macintosh users and their applications.

M1037Z/B	SNA•ps Gateway/8 (<i>8 3270 or APPC sessions</i>)	1495.00
M1038Z/B	SNA•ps Gateway/32 (<i>32 3270 or APPC sessions</i>)	2995.00
M1039Z/B	SNA•ps Gateway/64 (<i>64 3270 or APPC sessions</i>)	4495.00

SNA•ps 3270

3270 terminal emulation software for any Macintosh from the Plus and up. Full function terminal emulation application and SNA connectivity package that can connect directly to SNA networks, or over an AppleTalk network through a SNA•ps Gateway.

M0499Z/B	SNA•ps 3270	345.00
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For direct connection to an SNA network or as a Gateway client on an AppleTalk network. Direct connection requires an Apple Serial NB, Apple Coax/Twinax, or Apple Token Ring 4/16 NB card in a Macintosh II system.

M1220Z/B	SNA•ps 3270 GC	125.00
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Requires a SNA•ps Gateway be installed on the AppleTalk network.

HOST INTEGRATION PRODUCTS

These products are available through APDA. To subscribe or order products from APDA, call 800-282-2732.

For more information see the APDA folder under the Developer Support icon on AppleLink.

- Data Access Language Developer's Toolkit
- Data Access Language Server for VAX/VMS (9 track format)
- Data Access Language Server for VAX/VMS (TK 50 format)
- Data Access Language Server for VM/CMS
- Data Access Language Server for MVS/TSO
- Data Access Language Server for MVS/VTAM
- Data Access Language Server for A/UX
- MacTCP Developer's Kit
- SNA•ps APPC Developer's Kit
- 3270 API Developers Kit v2.0

Apple Printers

Cables not included unless otherwise noted.

Product	Description	Suggested Retail Price (Each)
<u>PERSONAL LASERWRITER PRODUCTS</u>		
B0454LL/E	Personal LaserWriter LS w/Toner Cartridge & Acc. Kit <i>Macintosh only - requires System Software 6.0.7 or later. Includes Apple System Peripheral - 8 Cable (M0197).</i>	1199.00
B0813LL/A	Personal LaserWriter NTR w/Toner Cartridge & Acc. Kit	2199.00
M2015LL/A	Personal LaserWriter NTR Accessory Kit/Controller Card <i>To upgrade a Personal LaserWriter SC or NT to a Personal LaserWriter NTR. Requires return of original Personal LaserWriter SC or NT card.</i>	1249.00
M0089LL/A	Personal LaserWriter Toner Cartridge	99.00
M0091LL/A	Personal LaserWriter Letter Cassette	79.00
M0302LL/A	Personal LaserWriter Legal Cassette	79.00
M0094LL/A	Personal LaserWriter Envelope Cassette	89.00
M8028G/A	Personal LaserWriter 250 Sheet Cassette Base <i>Required with Personal LaserWriter LS or NTR when using a paper/envelope cassette. Recommend installation by an authorized Apple Service Provider.</i>	120.00
<u>LASERWRITER II PRODUCTS</u>		
B0814LL/A	LaserWriter [®] IIf (4MB) w/Toner Cartridge & Letter Cassette	3299.00
B0815LL/A	LaserWriter IIg (8MB) w/Toner Cartridge & Letter Cassette	4299.00
M6504LL/A	LaserWriter IIf Controller Board (4MB) <i>To upgrade a LaserWriter IISC, IINT or IINTX.</i>	1249.00
M6505LL/A	LaserWriter IIg Controller Board (8MB) <i>To upgrade a LaserWriter IISC, IINT or IINTX or IIf.</i>	2249.00
M5952LL/A	Macintosh 4MB Memory Exp. Kit (4-1MB SIMMs) <i>(LaserWriter IIf & IIg, SE/30, II, IIx, IIcx, IIci, IIsi, Quadras, only)</i>	299.00
M0445LL/A	LaserWriter IINTX Upgrade Kit <i>ROM rev for LaserWriter IINTX Controller Cards prior to M6004/A. Requires installation by an authorized Apple Service Provider.</i>	119.00
M6005	LaserWriter IINTX 1MB Memory Expansion Kit <i>Requires installation by an authorized Apple Service Provider.</i>	299.00
M6006	LaserWriter IINTX 4MB Memory Expansion Kit <i>Requires installation by an authorized Apple Service Provider.</i>	999.00
M6002	LaserWriter II Toner Cartridge	129.00
M0137	LaserWriter II Letter Cassette	89.00
M0139	LaserWriter II Legal Cassette <i>Requires 4MB RAM for use with LaserWriter IIf and 8MB RAM for use with LaserWriter IIg.</i>	89.00
M0141	LaserWriter II Envelope Cassette	89.00
<u>LASERWRITER/LASERWRITER PLUS PRODUCTS</u>		
M0229	LaserWriter Legal Cassette	75.00
M0228	LaserWriter Letter Cassette	75.00
M0180	LaserWriter Toner Cartridge	119.00

Controller Cards and Upgrade Kits contain proprietary software, that is licensed, rather than sold to you in conjunction with the sale of the non-software items. These components may be used only for replacement of the same or comparable components in Apple Products. These components may not be sold or sublicensed except to the owner of an Apple Product as part of the servicing or upgrade of that Product, and the replaced component must be received in exchange.

LocalTalk Cables are on page 14.

To operate any LaserWriter II or Personal LaserWriter NT or NTR with Macintosh or Apple IIGS requires 2-M2068.

Product	Description	Suggested Retail Price (Each)
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STYLEWRITER PRODUCTS

Availability is limited through December.

B0438LL/C	StyleWriter® Printer w/Acc. Kit & Ink Cartridge <i>Includes Apple System Peripheral - 8 Cable (M0197). Macintosh only - requires System Software 6.0.7 or later.</i>	399.00
M8052G/A	StyleWriter Ink Cartridge	22.99

IMAGEWRITER PRODUCTS

C0090LL/A	ImageWriter® II Printer <i>(requires appropriate cables)</i>	595.00
A9B0314	ImageWriter II/LQ LocalTalk Option <i>For sharing a printer over the AppleTalk network. Recommend installation by an authorized Apple Service Provider.</i>	139.00
A9B0312	ImageWriter II 32K Memory Option <i>Allows Apple II users to continue working while printer is printing. For use with ImageWriter II printers A9M0320 and prior. Requires installation by an authorized Service Provider.</i>	99.00

APPLE PRINTER SUPPLIES

		(Per Box)
A2M0077	ImageWriter I and II Black Ribbon (box/6)	63.00
A9G0331	ImageWriter II Color Ribbon (box/6)	83.70
A9G0432	ImageWriter II Cut Sheet Feeder	225.00
A9G0335	ImageWriter LQ Black Ribbon (box/6)	114.00
A9G0336	ImageWriter LQ Color Ribbon (box/6)	150.00
A9G0328	Scribe Black Ribbon Cassette (box/12)	59.88

Apple Cables

Product	Description	Suggested Retail Price
SCSI CABLES		
		(Each)
M0206	Apple SCSI System Cable <i>Connects CPU to the first SCSI peripheral.</i>	50.00
M0207	Apple SCSI Peripheral Interface Cable <i>Connects any two SCSI peripherals together.</i>	45.00
M0208	Apple SCSI Cable Extender <i>Extends SCSI cables by one meter.</i>	40.00
M0332LL/A	Apple SCSI Cable Terminator <i>Filters noise on SCSI cabling. One terminator is required between each CPU and the first (and last) SCSI peripheral.</i>	30.00
LOCALTALK CABLES		
M2066	LocalTalk™ Locking Cable Kit-10 meter <i>Includes 10-meters of LocalTalk cable and one cable extender plug.</i>	75.00
M2068	LocalTalk Locking Connector Kit-din8 <i>Includes one LocalTalk connector with mini circular 8-pin plug, one 2-meter LocalTalk cable, and one cable extender plug for Apple IIGS, Macintosh Plus and II and the LaserWriter IINT, IINTX or Personal LaserWriter NT printers.</i>	75.00
M2065	LocalTalk Locking Connector Kit-DB9 <i>Includes one LocalTalk connector with DB9 plug, one 2-meter LocalTalk cable, and one cable extender plug for Macintosh 512K or the LocalTalk PC Card.</i>	75.00
M2069	LocalTalk Locking Cable Kit-25 meter <i>Includes one 25-meter LocalTalk cable and one cable extender plug.</i>	125.00
M2070	LocalTalk Custom Wiring Kit <i>Includes 100 meters of LocalTalk cable, 20 pre-assembled plugs, 20 cable-splicing mechanisms and 4 cable extender plugs.</i>	849.00
PRINTER/MODEM CABLES		
A2C0312	Apple II Modem - 8 Cable <i>Connects the Apple Personal Modem to Apple IIe and Apple IIGS equipped with a Super Serial Card. Connects ImageWriter II to Macintosh XL and Apple ///. Connects AppleLine to Macintosh Plus, II, or SE. Connects ImageWriter I to Apple IIc Plus.</i>	29.95
A9C0314	Apple II Printer - 8 Cable <i>Connects the ImageWriter II or LQ to Apple II+, Apple IIe, and Apple IIGS equipped with a Super Serial Card.</i>	29.95
A9M0332	Apple IIGS Desktop Bus Cable <i>Permits connection of 3rd party desktop peripherals to the Apple Desktop Bus Mouse.</i>	15.00
M0196	Macintosh Peripheral - 8 Cable <i>Connects the ImageWriter II or Apple modems to Macintosh 512K.</i>	29.95
M0197	Apple System Peripheral - 8 Cable <i>Connects ImageWriter II or LQ and Apple modems to Apple IIGS, Apple IIc Plus, (and AppleFax modem to) Macintosh (except 512K). Connects Personal LaserWriter LS and StyleWriter to Macintosh.</i>	29.95
M0199	Macintosh Peripheral Adapter <i>This adapter (circular 8 to DB9) when connected to Macintosh (except 512K) will enable use of peripherals and cables that require a DB9.</i>	20.00

Apple Support Products

Product	Description	Suggested Retail Price
<u>SUPPORT TOOLS</u>		(Each)
M0772LL/D	Technical Information Source (v2.1) <i>CD-ROM based technical information retrieval tool - for support providers.</i>	195.00

APPLE SOFTWARE UPDATE SERVICE

Annual Subscription Fee provides software update coverage (with release documentation) for 12 months after order invoicing. Customers may update only those systems covered by the license agreement for the original software being updated. To make additional copies for distribution within your organization requires an RTU License Agreement (an application is included with the Software Update Program confirmation - see the fee schedule shown below). Subscriptions are non-refundable.

<u>New Orders</u>	<u>Renewal Orders</u>		(Per Subscription)
N/A	B0107LL/D	Macintosh Network Administration Package <i>Provides update coverage for Macintosh System Software, AppleShare File Server, AppleShare Print Server.</i>	350.00
B0108LL/C	B0109LL/C	Apple II Network Administration Package <i>Provides update coverage for Apple IIGS System Software, AppleShare File Server, AppleShare Print Server, Aristotle.</i>	220.00
A2P0070	A2P0080	Apple IIGS System Software	90.00
M5037/A	M6068/A	Macintosh System Software (<i>includes right-to-update license</i>)	160.00

RIGHT-to-UPDATE (RTU) FEE

These fees are for reference only and are not orderable as a finished good. RTU update license applications are handled directly between Apple and the Licensee. An application is included with the Software Update Program confirmation. Copying updated software to additional workstations/servers requires a license agreement (and applicable fees) shown below. A Single RTU License provides Right-to-Update coverage for one additional workstation/server. Multiple RTU License provides coverage for all servers/workstations located at the "site" as defined in the RTU Agreement. Customers may only utilize RTU licenses for those products covered by an active Software Update Program subscription. Approved licenses are valid for the duration of the licensee's subscription. For HyperCard license, contact Claris Corporation.

Macintosh System Software	N/C
Apple IIGS System Software	N/C
Single RTU License (Aristotle)	27.00
Multiple RTU License (Aristotle)	1100.00

TECHNICAL ASSISTANCE PRODUCTS

These products are available through the Apple Support Products Ordering Center at the prices shown. Customers should call 1-800-950-2442 to place a direct order or to obtain an order form. Additional information on AppleLink in the Apple Support Icon under the Support Programs Icon.

Technical Coordinator Answerline 6	495.00
<i>Six incident package of general Macintosh, N&C, and A/UX phone support.</i>	
Technical Coordinator Answerline Subscription	1995.00
<i>One year subscription of general Macintosh, N&C, and A/UX phone support, unlimited access.</i>	
A/UX Answerline 6	395.00
<i>Six incident package of A/UX phone support.</i>	
A/UX Answerline Subscription	1395.00
<i>One year subscription of A/UX phone support, unlimited access.</i>	
Software Development Answerline 6 (<i>AppleLink required</i>)	1795.00
<i>Six incident package of AppleLink or phone access to development support engineers.</i>	
Software Development Answerline Subscription (<i>AppleLink required</i>)	5995.00
<i>One year subscription of unlimited AppleLink or phone access to development support engineers.</i>	
Software Development Reference Tools	350.00
<i>One year subscription to technical developer mailings including the Developer CD Series Macintosh Technical Notes, develop magazine, etc.</i>	

This price list supersedes all previous price lists.

Prices subject to change without notice.

Products subject to discontinuation without notice.