Apple Computer, Inc.
Suggested Retail Prices

Apple II Products

Product	Description	Suggested Retail Price (Each)
APPLE II CPUs		
A2S2128	Apple® IIe 128K CPU	629.00
A0012LL/A	Apple IIGS® 1MB CPU	899.00
	System disk, System Tools and Guided Tour disks provided on 3.5" media only.	
APPLE II MONITORS		
A2M6014	AppleColor™ RGB Monitor (IIGS)	489.00
A2M6021	AppleColor Composite Monitor IIe	319.00
APPLE II DRIVES		
M0112LL/B	Apple SuperDrive	329.00
	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.	
A0076LL/A	Apple II SuperDrive Controller Card	135.00
	Required with Apple IIe to use the Apple SuperDrive.	
	Required with Apple IIGS to use the Apple SuperDrive as a 1.4MB drive.	
A9M0107	Apple 5.25 Drive	259.00
A9C0320	Apple IIe Accessory Kit *(includes 5.25 controller card)*	39.00
	To use the 5.25 drive with the 128K Apple IIe also requires A2D4041.	
A2D4041	Apple II System Disk User's Guide	19.00
	To use the 5.25 drive with the 128K Apple IIe also requires A9C0320.	
M2700LL/D	AppleCD 150™	549.00
	Requires SCSI Card and appropriate SCSI cable configuration.	
APPLE II EXPANSION		
A2M2058	Apple II 256K Memory Expansion Kit	39.00
A2B6002	Apple IIGS Memory Expansion Card	79.00
A2B2086	Apple IIe Memory Expansion Card	179.00
A0220LL/A	Apple II High-Speed SCSI Card *(requires appropriate SCSI cables)*	105.00
A2B2023	Extended 80-Column Text Card (IIe)	79.00
A2B0044	Super Serial Card	109.00
A2B2092	Apple II Video Overlay Card	429.00
APPLE II MISCELLANEOUS ACCESSORIES		
M2705	AppleCD SC Caddy (box/5)	39.00/bx
A9M0103	Apple MIDI Interface	79.00
	Connects Apple IIGS to MIDI equipped musical instruments. Cables included.	
A2M2070	AppleMouse IIe	109.00
A2M2052	Apple IIe Enhancement Kit	49.00
	Suggested Retail Price includes installation fee.	
A2M2012	Joystick II	55.00

All peripherals should be ordered with the appropriate cables.

Macintosh® PowerBook™ Products

MACINTOSH POWERBOOKS

Includes Battery, AC Adapter, external microphone (145 only) and video out cable (160/180 only).

M4630LL/A	Macintosh PowerBook 145 4MB Hard Disk 40	2149.00
M4650LL/A	Macintosh PowerBook 145 4MB Hard Disk 80	2499.00

M4500LL/A*	**Macintosh PowerBook 160 4MB Hard Disk 40**	**2429.00**
M4510LL/A*	**Macintosh PowerBook 160 4MB Hard Disk 80**	**2789.00**
M4520LL/A*	**Macintosh PowerBook 160 4MB Hard Disk 120**	**3149.00**

M4400LL/A*	**Macintosh PowerBook 180 4MB Hard Disk 80**	**4109.00**
M4410LL/A*	**Macintosh PowerBook 180 4MB Hard Disk 120**	**4469.00**

MACINTOSH POWERBOOK ACCESSORIES

Memory and Modem requires installation by an authorized Apple Service Provider.

M4664LL/A* Macintosh PowerBook 4MB Memory Expansion Kit   **309.00**
> *Expands PowerBook 140, 145, 170 to 6MB.*
> *Expands PowerBook 160 and 180 to 8MB.*

M1032LL/A   Macintosh PowerBook 2MB Memory Exp. Kit *(100 or 140)*   199.00
> *To upgrade a 2MB PowerBook to 4MB RAM.*

M1033LL/A   Macintosh PowerBook 4MB Memory Exp. Kit *(100, 140, 145, 160, 170)* 309.00
> *To upgrade a 2MB PowerBook to 6MB RAM.*

M0970LL/A   Macintosh PowerBook Internal Fax/Data Modem   225.00
> *(100, 140, 145, 160, 170, 160 & 180)*

M1366LL/A*Macintosh PowerBook Express Modem Kit *(160 & 180 only)*   **319.00**
> *(Available November)*

M5545LL/B	Macintosh PowerBook Rechargeable Battery *(140, 145, 160, 170, 180)*	69.00
M1183LL/A	Macintosh PowerBook 100 Rechargeable Battery	69.00

M1027LL/A   Macintosh PowerBook Battery Recharger *(140, 145, 160, 170, 180)*   89.00
> *(uses AC Adapter)*

M5130LL/A   Macintosh PowerBook 100 Battery Recharger *(uses AC Adapter)*   89.00

M1058LL/A   Macintosh PowerBook AC Adapter *(100, 140, 145, 170)*   65.00

M4660LL/A*   **Macintosh PowerBook AC Adapter** *(160, 180)*   **65.00**

M2539LL/A   Apple HDI-30 SCSI Disk Adapter *(100, 160, 180)*   39.00
> *For using a PowerBook as an external hard disk with another Macintosh system.*
> *Requires appropriate SCSI cables.*

M2538LL/A   Apple HDI-30 SCSI System Cable   39.00
> *Connects any Macintosh PowerBook to a SCSI device.*

M0142   Apple Desktop Bus™ Mouse   79.00

MACINTOSH PORTABLE PERIPHERALS

M0239   Macintosh Portable Numeric Keypad Module   55.00
> *Requires installation by an authorized Apple Service Provider.*

| M0250 | Macintosh Portable Data Modem 2400 | 359.00 |
| M0275 | Macintosh Portable Battery Recharger *(includes power adapter)* | 105.00 |

* = New Product.

Macintosh Duo™ System

MACINTOSH POWERBOOK DUO
Includes Battery and AC Adapter.

M4161LL/A* Macintosh PowerBook Duo 210 4MB Hard Disk 80   2249.00
M4195LL/A* Macintosh PowerBook Duo 230 4MB Hard Disk 80   2609.00
M4196LL/A*Macintosh PowerBook Duo 230 4MB Hard Disk 120   2969.00

MACINTOSH POWERBOOK DUO ACCESSORIES
M4184LL/A*   Macintosh PowerBook Duo 4MB Memory Exp. Kit   235.00
        To expand a 4MB PowerBook Duo to 8MB RAM.
M4185LL/A*   Macintosh PowerBook Duo 8MB Memory Exp. Kit   459.00
        To expand a 4MB PowerBook Duo to 12MB RAM.

M4180LL/A*   Macintosh PowerBook Duo Floppy Adapter   135.00
        Provides direct access to a Macintosh HDI-20 External 1.4MB floppy drive.
        Provides HDI-20 floppy port, Apple Desktop Bus port and security slot.

M8061   Macintosh HDI-20 External 1.4MB Floppy Disk Drive   199.00
        Requires PowerBook Duo Floppy Adapter when used with a PowerBook Duo.

M4176LL/A*   Macintosh PowerBook Duo Rechargable Battery   69.00
M4174LL/A*   Macintosh PowerBook Duo AC Adapter   65.00

M4186LL/A*Macintosh PowerBook Express Modem Kit *(available March)* 319.00
        (for PowerBook Duo)
        Requires installation by an authorized Apple Service Provider.

MACINTOSH DUO DOCK
M4179LL/A*   Macintosh Duo Dock *(available November)*   1079.00
        Includes internal 1.4MB SuperDrive, external microphone and desktop bus mous

MACINTOSH DUO DOCK ACCESSORIES
See the N & C section for Ethernet NB Card.

M1311LL/A*   Macintosh 512K VRAM Expansion Kit   99.00
M6775LL/A*Macintosh Math Co-processor *(available November)*   79.00
M2538LL/A   Apple HDI-30 SCSI System Cable   1039.00
        Connects a Macintosh PowerBook Duo to a SCSI device.

* = New Product.

Macintosh Products

Product	Description	Suggested Retail Price

MACINTOSH ENTRY LEVEL CPUs   (Each)

Standard keyboard included unless otherwise noted.
Display sold separately from Macintosh LC.

M1543LL/A	Macintosh Classic II 4MB Hard Disk 40 CPU	1079.00
M1542LL/A	Macintosh Classic II 4MB Hard Disk 80 CPU	1209.00
M1701LL/A	Macintosh LC II 4MB Hard Disk 40 CPU	1239.00
M1707LL/A	Macintosh LC II 4MB (512K VRAM) Hard Disk 80 CPU *(no keyboard)*	1349.00

M1387LL/A*Macintosh LC II 4MB (512K VRAM) Hard Disk 160 CPU *(no keyboard)* **1489.00**

MACINTOSH II CPUs

Keyboard and display sold separately.

M0491LL/B	Macintosh IIsi 3MB Hard Disk 40 CPU	1729.00
M0364LL/B	Macintosh IIsi 5MB Hard Disk 80 CPU	1999.00

M0954LL/A*   Macintosh IIsi 5MB Hard Disk 160 CPU   2139.00

M1355LL/A*   Macintosh IIvx 4MB (512K VRAM) **Hard Disk 80 CPU   2949.00**
M1373LL/A*Macintosh IIvx 5MB (1MB VRAM) **Hard Disk 80 CPU w/CD-ROM   3219.00**
M1371LL/A*   Macintosh IIvx 4MB (512K VRAM) **Hard Disk 230 CPU   3319.00**

M5728LL/A	Macintosh IIci 5MB CPU w/Cache Card	2539.00
M5718LL/A	Macintosh IIci 5MB Hard Disk 80 CPU w/Cache Card	2719.00
M5742LL/A	Macintosh IIci 4MB Hard Disk 80 Parity CPU w/Cache Card	3079.00
	(Allow approximately 4 weeks for delivery)	
M5743LL/A	Macintosh IIci 5MB Hard Disk 230 CPU w/Cache Card	3089.00

MACINTOSH QUADRA CPUs

Keyboard and display sold separately.

M5921LL/A	Macintosh Quadra™ 700 4MB CPU	4219.00
M5922LL/A	Macintosh Quadra 700 4MB Hard Disk 80 CPU	4669.00
M5729LL/A	Macintosh Quadra 700 4MB Hard Disk 230 CPU	5039.00
M5724LL/A	Macintosh Quadra 700 4MB Hard Disk 400 CPU	5849.00
M6710LL/A	Macintosh Quadra 950 8MB CPU	6539.00
M6720LL/A	Macintosh Quadra 950 8MB Hard Disk 230 CPU	7359.00
M6730LL/A	Macintosh Quadra 950 8MB Hard Disk 400 CPU	8169.00

MACINTOSH KEYBOARDS

M0487LL/A	Apple Keyboard II	105.00
M0312	Apple Extended Keyboard II	185.00

* = New Product.

Suggested
Retail
Price
(Each)

MACINTOSH DISPLAYS, CARDS, & VIDEO EXPANSION

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

Product	Description	Suggested Retail Price (Each)
M0298LL/A	Macintosh 12" Monochrome Display	245.00
M0297LL/C	Macintosh 12" RGB Display	489.00

M1198LL/A*Macintosh Color Display *(w/14" Trinitron tube by Sony Corporation)* **589.00**

M0401LL/B	AppleColor High-Resolution RGB Monitor	729.00
M1044LL/A	Macintosh 16" Color Display	1459.00

     IIsi (w/NuBus Adapter Card) and IIci require Display Card 8•24.

B5102LL/A*Macintosh 16" Color Display w/DoubleColor™ SX graphics card by E-Machines, Inc. **17**

     (Promotional bundle available through 4/19/93)
     For IIvx, IIci and IIsi (w/NuBus Adapter Card).

M5812LL/A	Macintosh 21" Color Display	3599.00

     IIsi (w/NuBus Adapter Card) and IIci require Display Card 8•24.

M0404	Apple Macintosh Portrait Display	889.00

     Requires 3rd party card for use with Macintosh LC.

M0507PA/B	Macintosh Display Card 8•24	569.00

     Requires System Software 6.0.5 or later.

M0505LL/A	Macintosh Display Card DRAM Expansion Kit (2-1MB SIMMs)	409.00

     For use with Macintosh Display Card 8•24 GC.
     Requires installation by an authorized Apple Service Provider.

M5953LL/A	Macintosh Quadra VRAM Expansion Kit (2-256K SIMMs)	159.00

     Provides greater on-screen colors for Macintosh Quadra.
     Requires installation by an authorized Apple Service Provider.

M0517LL/A	Macintosh LC 512K VRAM SIMM	159.00

     Provides greater on-screen colors for Macintosh LC.
     Requires installation by an authorized Apple Service Provider.

M0403	Apple Universal Monitor Stand	75.00

* = New Product.

Product	Description	Suggested Retail Price (Each)

MACINTOSH DRIVES & STORAGE DEVICES

M0112LL/B	Apple SuperDrive	329.00
A9M0107	Apple 5.25 Drive *(for Macintosh LC w/IIe Card)*	329.00
M2688/A	Apple Hard Disk 80SC (w/SCSI System Cable & Cable Terminator)	999.00
M0247	Apple Internal SuperDrive	285.00

> *For use as a second drive for Macintosh FDHD SE, IIx or IIfx.*
> *To upgrade Macintosh SE with an FDHD SuperDrive.*
> *Requires installation by an authorized Apple Service Provider.*

M2700LL/D	AppleCD 150™	549.00

> *Requires appropriate SCSI configuration.*

APPLE SCANNER

Requires appropriate SCSI cables.

B0634LL/B	Apple OneScanner w/Accessory Kit	1178.00
B0842LL/A	Apple OneScanner w/Accessory Kit *(for Windows™)*	1178.00
A9M0338	Apple Scanner Replacement Lamp	29.00

MACINTOSH MEMORY (DRAM)

These products require installation by an authorized Apple Service Provider.
See the Macintosh Displays section for VRAM.

M6361LL/A	Macintosh Classic 1MB Memory Exp. Card *(for 1MB Classic only)*	109.00
M0218	Macintosh 1MB Memory Exp. Kit (4-256K SIMMs)	109.00

> *(SE/30, II, IIx, IIcx only)*

M0291LL/A	Macintosh IIci 1MB Memory Exp. Kit (4-256K SIMMs)	89.00
M0219	Macintosh 2MB Memory Exp. Kit (2-1MB SIMMs)	135.00

> *(Plus, SE, LC, 2MB Classic, Classic II only)*

M5952LL/A	Macintosh 4MB Memory Exp. Kit (4-1MB SIMMs)	269.00

> *(SE/30, II, IIx, IIcx, IIci, IIsi, Quadras, LaserWriter IIf & IIg only)*

M0376LL/A	Macintosh IIfx 4MB Memory Exp. Kit (4-1MB SIMMs)	269.00
M0294LL/A	Macintosh IIci 4MB Parity Memory Exp. Kit (4-1MB Parity SIMMs)	349.00

MACINTOSH MISCELLANEOUS ACCESSORIES

M2705	AppleCD Caddy (box/5)	39.00/bx
A9M0103	Apple MIDI Interface	79.00

> *Connects Apple IIGS or Macintosh CPUs to MIDI equipped musical instruments. Cables included.*

All peripherals should be ordered with the appropriate cable.

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)
MACINTOSH ENTRY LEVEL UPGRADES		
M1710LL/A	Macintosh LC II Logic Board Upgrade	719.00
	To upgrade Macintosh LC to Macintosh LC II.	
	Includes 2MB RAM, system software v7.0.1 and new top cover.	
M1545LL/A	Macintosh Classic II Logic Board Upgrade	629.00
	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).	
M6052/B	Macintosh SE FDHD Upgrade Kit	385.00
	To upgrade Macintosh SE to Macintosh FDHD SE.	
	Includes Macintosh SE FDHD Rom Kit (M0242), and Internal SuperDrive (M0247).	
M0444LL/C	Apple IIe Card for Macintosh LC v2.1	145.00
	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).	
M1222LL/B	Apple IIe Card Upgrade Package	25.00
	Software to upgrade prior versions to v2.1	
MACINTOSH II UPGRADES		
M6051/C	Macintosh II FDHD Upgrade Kit	385.00
	Includes Internal SuperDrive (M0247), and ROM/SWIM Kit (M0244).	
M0375LL/B	Macintosh IIfx Logic Board Upgrade	2319.00
	To upgrade Macintosh II (w/M0247) or IIx to Macintosh IIfx.	
	DRAM is required (4MB) and must be purchased separately.	
M5816LL/A	Macintosh IIci Logic Board Upgrade	1339.00
	To upgrade Macintosh IIcx to Macintosh IIci.	
	DRAM is required and must be purchased separately.	
M0326LL/B	Macintosh IIci Cache Card *(customer installable)*	319.00
M0480LL/A	Macintosh IIsi 030 Direct Slot Adapter Card *(customer installable)*	199.00
	Allows addition of one 030 Direct Slot Expansion Card.	
	Includes 68882 floating point math co-processor.	
M0481LL/A	Macintosh IIsi NuBus Adapter Card *(customer installable)*	199.00
	Allows addition of one NuBus Expansion Card.	
	Includes 68882 floating point math co-processor.	

MACINTOSH QUADRA UPGRADE

Product	Description	Suggested Retail Price (Each)
M5950LL/A	Macintosh Quadra 700 Logic Board Upgrade	3129.00
	To upgrade Macintosh IIcx or IIci to Macintosh Quadra 700.	
	Also includes 4MB DRAM, system software, microphone and new case.	
M1421LL/A	Macintosh Quadra 950 Logic Board Upgrade	1339.00
	To upgrade Macintosh Quadra 900 to Macintosh Quadra 950. 2679.00 (eff. 12/28/92)	
	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.	

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.

Apple Open Systems Products

See the Apple Support Products section for Technical Assistance Products.
See the Apple In Print catalog for A/UX and MacX collateral materials.
Additional A/UX Development Products are available from APDA at 800-282-2732.

A/UX® 3.0 Products

		Suggested Retail
Product	Description	Price

A/UX CPUs (Each)
Includes A/UX pre-installed, 1 year of Phone Support Service and release notes.
Keyboard & Monitor not included.
Orders for these A/UX CPUs 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   2918.00
Includes IIsi A/UX CPU w/Adapter Card (M1410LL/A) and A/UX CD-ROM Product (M0598LL/B).
B0859LL/A   Macintosh IIci A/UX 8MB Hard Disk 230 CPU   3940.00
Includes IIci A/UX CPU w/Cache Card (M5731LL/A) and A/UX CD-ROM Product (M0598LL/B).
B0857LL/A   Macintosh Quadra 700 A/UX 8MB Hard Disk 230 CPU   6415.00
Includes Quadra 700 A/UX CPU (M5954LL/A) and A/UX CD-ROM Product (M0598LL
B0858LL/A   Macintosh Quadra 950 A/UX 8MB Hard Disk 400 CPU   9091.00
Includes Quadra 950 A/UX CPU (M6750LL/A) and A/UX CD-ROM Product (M0598LL

A/UX 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 and MacX .
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   649.00
B0856LL/A   A/UX 3.0 CD-ROM Product Bundle   1098.00
Includes Apple CD 150 (M0598LL/B) and A/UX CD-ROM Product (M2700LL/D).

A/UX MANUAL SETS
M0430LL/B   Programming Manuals   329.00
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.
M0431LL/B   Administration Manuals   329.00
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.
M1182LL/A   X11 for A/UX Manuals   139.00
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.

A/UX UPDATES
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 *(updates previous versions to 3.0)*225.00

Includes Essential Manual Set and Installation Guide.

M0489LL/B   A/UX Programmers Manuals Update *(updates previous manuals to 3.0)*285.00

M0490LL/B   A/UX Administrator Manuals Update *(updates previous manuals to 3.0)*285.00

A/UX Licensing and MacX Products continued on next page.

Product	Description	Retail Price (Each)

A/UX LICENSING PRODUCTS

License/Invoice only - no software. Each licensing product (except Manual Set) requires a completed licensing application
available on AppleLink: Apple Products icon -> A/UX -> Ordering & Licensing folder.

M0740LL/A	Right-to-Copy A/UX 3.0 to one additional system	399.00

To copy to more than one system, order multiples of M0740LL/A.

M0741LL/A	Right-to-Update A/UX 3.0 to one additional system	79.00

To update more than one system, order multiples of M0741LL/A.

M0597LL/B	A/UX Essential Manual Set	159.00

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.*

M8099LL/A	A/UX 32 User License Product	2269.00

Allows expansion from sixteen (16) up to thirty two (32) users on a single CPU ru
A/UX.

MacX™ Products

MacX MEDIA

M0108LL/D	MacX 1.2	239.00

5MB RAM recommended for Macintosh Operating System 6.0.5 or later.
Includes 30 days of Phone Support Service, MacX on floppy disks, release notes
manuals.
To copy MacX to multiple systems, order 1 MacX Product and multiples of the Rig
Copy license (M8102LL/A).

MacX UPDATE

M1197LL/B	MacX 1.2 Update	49.00

Upgrade for MacX 1.0, 1.1 or 1.1.7 customers and A/UX customers.

MacX LICENSING PRODUCTS

License/Invoice only - no software. Each licensing product (except Manual Set) requires a completed licensing application
available on AppleLink: Apple Products icon -> A/UX -> Ordering & Licensing folder. For information on MacX Site License or
licensing MacX for 150 users or more contact Apple ESD Licensing at 408-974-2052.

M8102LL/A*	**MacX Right-to-Copy**	**215.00**

To copy to more than one system, order multiples of M8102LL/A.

M8103LL/A*	**MacX Right-to-Update**	**31.00**

To copy to more than one system, order multiples of M8103LL/A.

M0602LL/C	MacX Manual Set *(for users needing additional manuals)*	69.00

* = New Product.

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
MACINTOSH SOFTWARE		(Each)
M0681/C	Macintosh System Software v6.0.8	49.00
M7200LL/A	System 7 Personal Upgrade Kit v7.1	99.00

*Requires SuperDrive, hard disk and minimum 2MB RAM (4MB recommended).
Includes System Software, Compatibility Checker 2.0, QuickTime software extens
manuals, and 1 year toll-free upgrade support.
For a limited time At Ease software (w/manuals) included at no additional charge*

M7201LL/A*   **System 7 Multi-Pack v7.1** *(for up to*
    499.00

*Requires SuperDrive, hard disk (or optional AppleCD drive) and
minimum 2MB RAM (4MB recommended).
Includes System Software (on floppy and CD), Compatibility Checker 2.0,
QuickTime software extension, manuals, and 1 year toll-free upgrade support.*

M8223LL/A	Macintosh System Software v7 Manuals (5/pack)	249.00/pk

*For site license customers needing additional manuals.
Includes "What's New in Macintosh System Software v7," "Macintosh Reference"
and "Macintosh Networking."*

APPLE UTILITIES FOR MACINTOSH

M1269LL/B	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

M4040LL/A*   **Apple Font Pack for Macintosh**   **99.00**

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	39.00

*Requires minimum 1MB RAM, ROM version 01 or 03, and a 3.5 disk drive.
2MB RAM and a hard drive recommended.*

A0027LL/B	HyperCard IIGS v1.1	69.00

*Requires minimum 1.5MB RAM, ROM version 01 or 03, and a hard drive or networ
environment.
Requires System Software 5.0.4 or later.*

A2D4041	Apple II System Disk User's Guide	19.00

*To use the 5.25 drive with the 128K Apple IIe order A9C0320
(includes controller card) and A2D4041.*

* = New Product.

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)
HARDWARE		
C0002LL/B	Apple Modem 2400 *(requires appropriate cables)*	249.00
SOFTWARE		
A2D2013	Apple Access II v1.3.1	75.00
M0708	MacTerminal ® v3.0	125.00
<u>APPLETALK NETWORK</u>		
HARDWARE		
M0417LL/A	Apple Ethernet NB Card *(transceiver required)*	349.00
	Requires a NuBus Adapter Card when used with the IIsi.	
M0443LL/B	Apple Ethernet LC Card *(transceiver required)*	165.00
M0437LL/A	Apple Ethernet Twisted Pair Transceiver	145.00
M0329LL/A	Apple Ethernet Thin Coax Transceiver	145.00
M0833LL/A	Apple Ethernet 5 meter Thin Coax Cable	39.00
M0436LL/A	Apple Ethernet 13 meter Thin Coax Plenum Cable	79.00
M0432LL/A	Apple Ethernet AUI Adapter	145.00
A2B2088	Apple II Workstation Card	195.00
SOFTWARE		
M0090LL/B	AppleShare Server 3.0.1	1199.00
	Requires any System 7 Macintosh w/hard disk and minimum 4MB RAM. Supports System 6 and System 7 clients.	
M8047LL/A	AppleShare Server 3.0 Manual	45.00
	For users needing additional manuals.	
M0705LL/B	AppleTalk ® Internet Router v2.0	399.00
M0033LL/A	AppleTalk Remote Access *(requires System 7)*	199.00
M0697	Inter•Poll™ Network Administrator's Utility v1.0.1	129.00
A2D2059	Aristotle™ *(requires AppleShare)*	199.00
M8101Z/A*	**MacX.400 SD**	**3000.00**
M8062Z/A*	**MacX.400**	**5000.00**

* = New Product.

Continued on the following page.

SNA COMMUNICATIONS
HARDWARE

M0415LL/A Apple Token Ring 4/16 NB Card   909.00
>   *Requires a NuBus Adapter Card when used with the IIsi.*

M0261/A Apple Coax/Twinax Card   1019.00
>   *Requires a NuBus Adapter Card when used with the IIsi.*

M0264 Apple Serial NB Card *(requires RS232 or V.35 cable)*   1019.00
>   *Requires a NuBus Adapter Card when used with the IIsi.*

M0128LL/A Apple RS232 Cable   105.00
M0127LL/A Apple V.35 Cable   155.00
M0145LL/A Macintosh Coprocessor Platform Memory Exp. Kit   159.00
>   *Contains 512K chip set (4 chips) to upgrade Coax/Twinax, EtherNet NB, Serial NB*
>   *TokenRing 4/16 to a total of 1MB.*

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 *(8 3270 or APPC sessions)*   1219.00

M1038Z/B   SNA•ps Gateway/32 *(32 3270 or APPC sessions)*   2429.00

M1039Z/B   SNA•ps Gateway/64 *(64 3270 or APPC sessions)*   3649.00

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   279.00
>   *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*
a Macintosh II system.

M1220Z/B   SNA•ps 3270 GC   105.00
>   *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)
PERSONAL LASERWRITER PRODUCTS		
B0454LL/E	Personal LaserWriter LS w/Toner Cartridge & Acc. Kit	1079.00

Macintosh only - requires System Software 6.0.7 or later.
Includes Apple System Peripheral - 8 Cable (M0197).

B0813LL/B	Personal LaserWriter NTR w/Toner Cartridge & Acc. Kit	1989.00
M2015LL/B	Personal LaserWriter NTR Accessory Kit/Controller Card	1139.00

To upgrade a Personal LaserWriter SC or NT to a Personal LaserWriter NTR.
Requires return of original Personal LaserWriter SC or NT card.

M0089LL/A	Personal LaserWriter Toner Cartridge	79.00
M0091LL/A	Personal LaserWriter Letter Cassette	65.00
M0302LL/A	Personal LaserWriter Legal Cassette	65.00
M0094LL/A	Personal LaserWriter Envelope Cassette	75.00
M8028G/A	Personal LaserWriter 250 Sheet Cassette Base	99.00

Required with Personal LaserWriter LS or NTR when using a paper/envelope casse
Recommend installation by an authorized Apple Service Provider.

LASERWRITER II PRODUCTS

B0814LL/B	LaserWriter® IIf (4MB) w/Toner Cartridge & Letter Cassette	3299.00
B0815LL/B	LaserWriter IIg (8MB) w/Toner Cartridge & Letter Cassette	4299.00
M6504LL/B	LaserWriter IIf Controller Board (4MB)	1249.00

To upgrade a LaserWriter IISC, IINT or IINTX.

M6505LL/B	LaserWriter IIg Controller Board (8MB)	2249.00

To upgrade a LaserWriter IISC, IINT or IINTX or IIf.

M5952LL/A	Macintosh 4MB Memory Exp. Kit (4-1MB SIMMs)	269.00

(LaserWriter IIf & IIg, SE/30, II, IIx, IIcx, IIci, IIsi, Quadras, only)

M0445LL/A	LaserWriter IINTX Upgrade Kit	105.00

ROM rev for LaserWriter IINTX Controller Cards prior to M6004/A.
Requires installation by an authorized Apple Service Provider.

M6005	LaserWriter IINTX 1MB Memory Expansion Kit	245.00

Requires installation by an authorized Apple Service Provider.

M6006	LaserWriter IINTX 4MB Memory Expansion Kit	809.00

Requires installation by an authorized Apple Service Provider.

M6002	LaserWriter II Toner Cartridge	105.00
M0137	LaserWriter II Letter Cassette	75.00
M0139	LaserWriter II Legal Cassette	75.00

Requires 4MB RAM for use with LaserWriter IIf and 8MB RAM for use with LaserWr

M0141	LaserWriter II Envelope Cassette	75.00

LASERWRITER/LASERWRITER PLUS PRODUCTS

M0229	LaserWriter Legal Cassette	59.00
M0228	LaserWriter Letter Cassette	59.00
M0180	LaserWriter Toner Cartridge	99.00

Controller Cards and Upgrade Kits contain proprietary software, that is licensed, rather than sold to you in conjuction 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.

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

Product   Description

STYLEWRITER PRODUCTS
Availability is limited through December.

B0438LL/C   StyleWriter ® Printer w/Acc. Kit & Ink Cartridge   358.00
> *Includes Apple System Peripheral - 8 Cable (M0197).*
> *Macintosh only - requires System Software 6.0.7 or later.*

M8052G/A   StyleWriter Ink Cartridge   19.00

IMAGEWRITER PRODUCTS
C0090LL/A   ImageWriter ® II Printer *(requires appropriate cables)*   439.00
A9B0314   ImageWriter II/LQ LocalTalk Option   119.00
> *For sharing a printer over the AppleTalk network.*
> *Recommend installation by an authorized Apple Service Provider.*

A9B0312   ImageWriter II 32K Memory Option   79.00
> *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.*

APPLE PRINTER SUPPLIES   (Per Box)
A2M0077   ImageWriter I and II Black Ribbon (box/6)   49.00
A9G0331   ImageWriter II Color Ribbon (box/6)   69.00
A9G0432   ImageWriter II Cut Sheet Feeder   179.00
A9G0335   ImageWriter LQ Black Ribbon (box/6)   89.00
A9G0336   ImageWriter LQ Color Ribbon (box/6)   119.00
A9G0328   Scribe Black Ribbon Cassette (box/12)   49.00

Apple Cables

Product	Description	

SCSI CABLES (Each)

M0206	Apple SCSI System Cable	39.00
	Connects CPU to the first SCSI peripheral.	
M0207	Apple SCSI Peripheral Interface Cable	35.00
	Connects any two SCSI peripherals together.	
M0208	Apple SCSI Cable Extender	35.00
	Extends SCSI cables by one meter.	
M0332LL/A	Apple SCSI Cable Terminator	25.00
	Filters noise on SCSI cabling. One terminator is required between each CPU and the first (and last) SCSI peripheral.	

LOCALTALK CABLES

M2066	LocalTalk™ Locking Cable Kit-10 meter	65.00
	Includes 10-meters of LocalTalk cable and one cable extender plug.	
M2068	LocalTalk Locking Connector Kit-din8	65.00
	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 la and the LaserWriter IINT, IINTX or Personal LaserWriter NT printers.	
M2065	LocalTalk Locking Connector Kit-DB9	65.00
	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.	
M2069	LocalTalk Locking Cable Kit-25 meter	105.00
	Includes one 25-meter LocalTalk cable and one cable extender plug.	
M2070	LocalTalk Custom Wiring Kit	669.00
	Includes 100 meters of LocalTalk cable, 20 pre-assembled plugs, 20 cable-splicing mechanisms and 4 cable extender plugs.	

PRINTER/MODEM CABLES

A2C0312	Apple II Modem - 8 Cable	25.00
	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.	
A9C0314	Apple II Printer - 8 Cable	25.00
	Connects the ImageWriter II or LQ to Apple II+, Apple IIe, and Apple IIGS equipped with a Super Serial Card.	
A9M0332	Apple IIGS Desktop Bus Cable	15.00
	Permits connection of 3rd party desktop peripherals to the Apple Desktop Bus Mouse.	
M0196	Macintosh Peripheral - 8 Cable	25.00
	Connects the ImageWriter II or Apple modems to Macintosh 512K.	
M0197	Apple System Peripheral - 8 Cable	25.00
	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.	
M0199	Macintosh Peripheral Adapter	19.00
	This adapter (circular 8 to DB9) when connected to Macintosh (except 512K) will enable use of peripherals and cables that require a DB9.	

Apple Support Products

Product	Description	Suggested Retail Price

SUPPORT TOOLS   (Each)

M0772LL/E   Technical Information Source (v3.0)   95.00
         CD-ROM based technical information retrieval tool - for support providers.

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.
Subscriptions are non-refundable.

New Orders	Renewal Orders		(Per Subscription)
N/A	B0107LL/D	Macintosh Network Administration Package	350.00

        Provides update coverage for Macintosh System Software,
        AppleShare File Server, AppleShare Print Server.

| B0108LL/C | B0109LL/C | Apple II Network Administration Package | 220.00 |

        Provides update coverage for Apple IIGS System Software,
        AppleShare File Server, AppleShare Print Server, Aristotle.

| A2P0070 | A2P0080 | Apple IIGS System Software | 90.00 |
| M5037/A | M6068/A | Macintosh System Software | 160.00 |

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
   Six incident package of general Macintosh, N&C, and A/UX phone support.

Technical Coordinator Answerline Subscription   1995.00
   One year subscription of general Macintosh, N&C, and A/UX phone support, unlimited ac

A/UX Answerline 6   395.00
   Six incident package of A/UX phone support.

A/UX Answerline Subscription   1395.00
   One year subscription of A/UX phone support, unlimited access.

Software Development Answerline 6 *(AppleLink required)*   1795.00
   Six incident package of AppleLink or phone access to development support engineers.

Software Development Answerline Subscription *(AppleLink required)*   5995.00
   One year subscription of unlimited AppleLink or phone access to development support
engineers.

Software Development Reference Tools   350.00
   One year subscription to technical developer mailings including the Developer CD Series
   Macintosh Technical Notes, develop magazine, etc.