



Intro

Unit Prices

System Prices

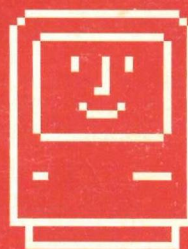
AppleRent

AppleCare

AppleLease

# Apple Products and Prices

Summer 1991-92



Apple Computer Australia Pty Ltd

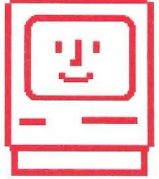

A.C.N. 002 510 054

16 Rodborough Road, Frenchs Forest, NSW, 2086.

Telephone: (02) 452 8000 Fax: (02) 452 8160

Prices shown are recommended retail prices only and are inclusive of Sales Tax.  
Prices are correct at time of going to print and are subject to change without notice.



Apple's focus has always been on the person behind the computer as much as the computer itself. The Apple Macintosh is the only computer in the world that works the way you do. And no amount of technological camouflage will hide the fact that people like using Macintosh more than ordinary pc's. People use  the Macintosh more often and get better results. So don't judge computer power by megabytes and MIPS alone. A computer's real power needs to be measured by the performance and achievements of the people  who use it. Looking at power in this way rapidly narrows your choice of computers to one: Macintosh. Because it puts you in a position of real power. The power to be your best.



## Contents

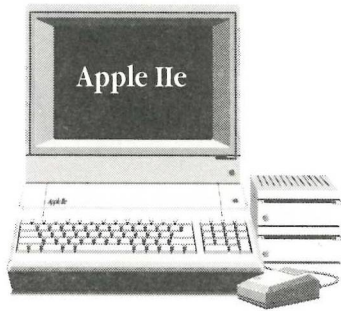
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## **APPLE PRODUCT RANGE**

### **AND PRICE LIST**

### **SUMMER 1991-92**

All prices listed are Recommended Retail inclusive of Sales Tax as set by Apple Computer Australia. Prices are subject to change without notice.



### Apple IIe

The Apple II personal computer is the machine that set the standard in personal computing engineering. Its versatility and accessibility have made it the first choice of over two million knowledgeable buyers. Over 16,000 ready-to-use applications let you customise the Apple IIe for your exact needs — for education, business, and home use. You can also write your own software: every Apple IIe comes with the powerful, easy-to-use Applesoft BASIC built in, and you can choose from a dozen other popular programming languages.

Processor	65C02, 1 MHz
RAM	128 K, expandable to 1 Mb
Text Display	40 column (TV or monitor) 80 column (monitor req'd)
Graphic Display	16 colour low resolution 6 colour high resolution 16 colour double high resolution
Expansion	8 expansion slots

### CPU Offerings

Apple IIe \$595

### Keyboards & Monitors

*Keyboard built in to CPU*

Apple II Mono monitor \$275  
Apple IIe RGB monitor \$495

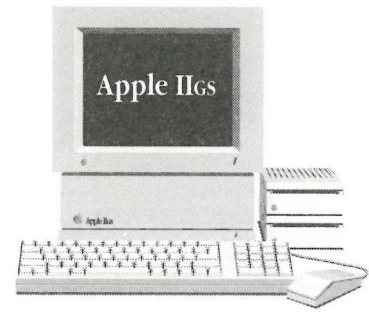
### Options

Apple II PAL Card \$135  
Apple II Super Serial Card \$130  
Apple II Video Overlay Card \$625  
Apple II Hi-Speed SCSI Card \$225  
Apple IIe Memory Expansion Card \$355  
Apple IIe Mouse \$225  
Apple Hard Disk 20SC \$995  
Apple 5.25 Drive \$495  
Apple 5.25 Drive Controller \$105  
Apple In Modem \$545  
UniDisk 3.5 Drive \$545  
UniDisk 3.5 Drive Controller \$130

### Sample Configurations

<b>Apple IIe Mono System</b>	<b>Apple IIe Colour System</b>
Apple IIe	Apple IIe
Apple II Mono Monitor	Apple IIe Colour Monitor
Apple 5.25 Drive	Apple 5.25 Drive
Apple 5.25 Drive Controller	Apple 5.25 Drive Controller
Apple IIe System Utilities	Apple IIe System Utilities
\$1,245	\$1,495

These are special system prices



### Apple IIgs

The Apple IIgs takes the Apple II family to a new level of performance and expandability. Using an advanced 16-bit microprocessor, the Apple IIgs runs most existing Apple IIe and Apple IIc software, as well as offering a graphical user interface similar to the Macintosh. The video and audio abilities are nothing short of amazing. Its high resolution of graphics can reproduce 4,096 colours and a 15-voice sound generator produces natural-sounding music and speech.

Processor	65C816, 2.8 or 1.0 MHz
RAM	1 Mb expandable to 8 Mb
Interfaces	One multipurpose RAM/ROM Seven general purpose Two serial ports Disk Drive port Video output ADB port Game I/O Audio I/O

An extensive range of software makes the Apple IIgs an ideal choice for the home or school.

### CPU Offerings

Apple IIgs \$1,295

### Keyboards & Monitors

*Keyboard included with CPU*

Apple II Mono monitor \$275  
Apple IIgs RGB monitor \$695

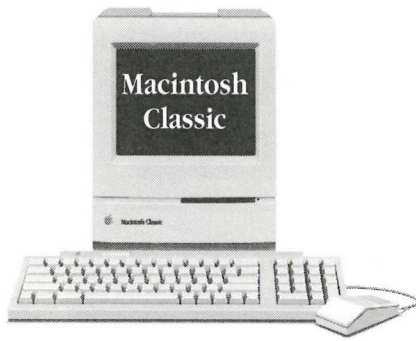
### Options

Apple II Super Serial Card \$130  
Apple II Video Overlay Card \$625  
Apple II Hi-Speed SCSI Card \$225  
Apple Hard Disk 20SC \$995  
AppleCD SC Plus \$1,495  
Apple 3.5 Drive \$545  
Apple 5.25 Drive \$495  
Apple In Modem \$545  
HyperCard GS \$125

### Sample Configurations

<b>Apple IIgs Mono System</b>	<b>Apple IIgs Colour System</b>
Apple IIgs	Apple IIgs
Apple II Mono Monitor	Apple IIgs RGB Monitor
Apple 3.5 Drive	Apple 3.5 Drive
\$1,945	\$2,345

These are special system prices



### Macintosh Classic

The Apple Macintosh Classic personal computers offer all of the most valued advantages associated with Macintosh computers — including unsurpassed ease of use, the ability to run thousands of applications that work well together, and built-in networking. The Classic is ideal for the first time buyer whilst the Classic II offers power and expandability in the traditional compact Macintosh package.

	Classic	Classic II
Processor	68000; 8 MHz	68030; 16 MHz
RAM	1 Mb, expandable to 4 Mb	2 or 4 Mb, expandable to 10 Mb
Internal Storage	One 3.5-inch 1.4 Mb SuperDrive, Optional 3.5-inch internal 40 Mb hard disk drive	One 3.5-inch 1.4 Mb SuperDrive, Optional 3.5-inch internal 40 or 80 Mb hard disk drive
Screen	9-inch (diagonal) screen 512 by 342 pixel bit-mapped display	9-inch (diagonal) screen 512 by 342 pixel bit-mapped display
Interfaces	External disk drive port SCSI port Sound output port Apple Desktop Bus port Two RS-232/RS-422 serial ports	External disk drive port SCSI port Sound output port Apple Desktop Bus port Two RS-232/RS-422 serial ports Sound input port Internal connector for Maths coprocessor
Networking	Built-in AppleTalk capability	Built-in AppleTalk capability

### CPU Offerings

Keyboard and monitor included with CPU

Macintosh Classic 2 Mb Floppy	\$1,695
Macintosh Classic 2 Mb HD40	\$2,495
Macintosh Classic II 2 Mb HD40	\$2,995
Macintosh Classic II 4 Mb HD80	\$3,995

### Options

1 Mb Memory Upgrade Card	\$295
2 Mb Memory Expansion Kit	\$350
Apple External 1.4 Mb SuperDrive	\$545
Apple Hard Disk 20SC	\$995
Apple Hard Disk 40SC	\$1,295

### Sample Configurations

#### Macintosh Classic Floppy System

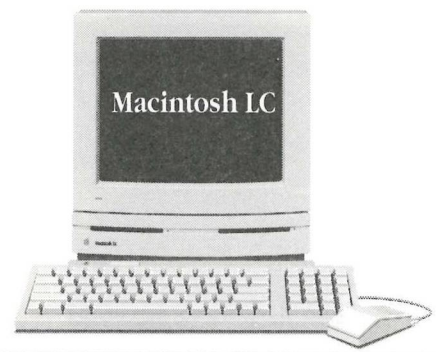
Macintosh 2 Mb Floppy with external 20 Mb drive

\$2,985

#### Macintosh Classic II Hard Drive System

Macintosh Classic II 4/80

\$3,995



### Macintosh LC

The Apple Macintosh LC personal computer is Apple Computer's most affordable colour-capable Macintosh. Combining flexibility with a sleek new design, the LC gives you a range of options for larger screens, colour displays, and system expansion — including the new Apple IIe Card. There is built in support available for three Apple monitors, and a new capability — sound input.

Processor	68020; 16 MHz
RAM	2 or 4 Mb, expandable to 10 Mb
Internal Storage	One 3.5-inch 1.4 Mb SuperDrive, Optional 3.5-inch internal 40 or 80 Mb hard disk drive
Interfaces	PDS expansion slot SCSI port Built-in video port Sound input port Sound output port Apple Desktop Bus port Two RS-232/RS-422 serial ports
Networking	Built-in AppleTalk capability

### CPU Offerings

Macintosh LC 2 Mb Floppy *	\$2,495
Macintosh LC 4 Mb HD40 *	\$3,495
Macintosh LC 4 Mb HD80	\$3,995

### Keyboards & Monitors

\* Keyboard included with CPU

Keyboard	\$240
Extended Keyboard	\$440
Macintosh 12" Mono Display	\$545
Macintosh 12" RGB Display	\$995
AppleColor Hi-Res RGB Monitor	\$1,495

### Options

512 K VRAM SIMM	\$295
2 Mb Memory Expansion Kit	\$350
Apple IIe Card	\$270
AppleCD SC Plus	\$1,495
Apple OneScanner	\$1,995

### Sample Configurations

#### Colour System 4/40

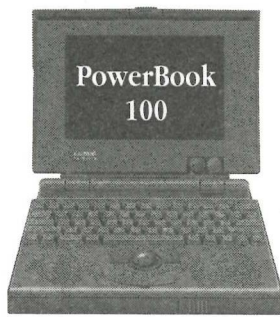
Macintosh LC 4/40  
12" RGB Display

\$4,490

#### Extended Colour System 4/80

Macintosh LC 4/80  
512 K VRAM SIMM  
Hi-Res RGB Monitor  
Keyboard

\$6,025



### Macintosh PowerBook

The Apple Macintosh PowerBook family of notebook computers offer complete Macintosh functionality and performance in an all-in-one design that fits easily in your briefcase. They deliver all the features that make a Macintosh a Macintosh — point and click operation, high-quality graphics, the ability to run thousands of consistent graphical Macintosh applications, built-in networking, and standard Macintosh input and output capabilities, eliminating the need for a docking station.

#### Macintosh PowerBook 100

The Macintosh PowerBook 100, the most affordable member of the family, packs both the power and the ease of Macintosh computing into a sleek, innovative design that makes it easy to take your work wherever you go.

Macintosh PowerBook 100 2/20 \$3,495  
 Macintosh PowerBook 100 2/20 \$3,695  
 (includes external floppy disk drive)

#### Macintosh PowerBook 140

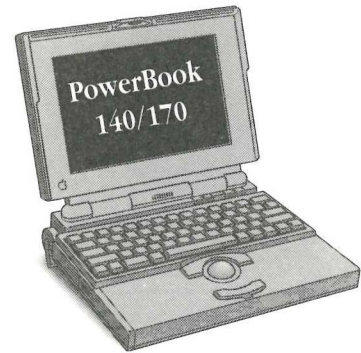
The PowerBook 140 offers greater performance than the PowerBook 100 and comes with a built-in floppy disk drive. The PowerBook 140 incorporates a full page width screen and built-in sound input capability.

Macintosh PowerBook 140 2/40 \$4,995

#### Macintosh PowerBook 170

The PowerBook 170 is the most powerful member of the family and runs applications up to 50 percent faster than the PowerBook 140.

Macintosh PowerBook 170 4/40 \$6,995



### Macintosh PowerBook Accessories

Apple Macintosh PowerBook peripheral products offer several important ways to enhance the performance and flexibility of your PowerBook system. The Macintosh PowerBook Fax/Data Modem is an excellent enhancement for Macintosh PowerBook personal computer users who want to exchange information with other computers as well as send facsimile transmissions. The Apple HDI-30 SCSI Disk Adapter allows you to use a Macintosh PowerBook 100 personal computer as an external hard disk with another Macintosh system.

#### Peripheral Products

Macintosh PowerBook 2 Mb Memory Expansion Kit	\$495
Macintosh PowerBook 4 Mb Memory Expansion Kit	\$995
Macintosh HDI-20 External 1.4 Mb Floppy Disk Drive	\$295
Macintosh PowerBook 100 Battery Recharger	\$195
Macintosh PowerBook 100 Rechargeable Battery	\$115
Macintosh PowerBook AC Adapter	\$115
Apple HDI-30 SCSI Disk Adapter	\$85
Apple HDI-30 SCSI System Cable	\$85
Macintosh PowerBook 140/170 Rechargeable Battery	\$115
Macintosh PowerBook 140/170 Battery Recharger	\$195
Macintosh PowerBook Fax/Data Modem (140 and 170 only)	(available Feb 1992)

#### Technical Details

	100	140	170
<b>Processor</b>	68HC000; 16 MHz	68030; 16 MHz	68030; 25 MHz
<b>Coprocessor</b>	-	-	68882; 25 MHz
<b>RAM standard</b>	2	2	4
<b>RAM maximum</b>	8	8	8
<b>Weight</b>	2.3kg	3.1kg	3.1kg
<b>Storage</b>	3.5-inch 1.4 Mb SuperDrive 3.5-inch SCSI hard disk drive	Optional external 20 Mb	Internal 40 Mb Internal 40 Mb
<b>Interfaces</b>			
External disk drive port	1	-	-
HDI-30 SCSI port	1	1	1
Sound-out port	1	1	1
Sound-in port	-	1	1
Apple Desktop Bus port	1	1	1
RS-422 serial ports	1	2	2
<b>Built-in AppleTalk capability</b>	Yes	Yes	Yes
<b>Display (Backlit Supertwist LCD)</b>	229mm	254mm	254mm



### Macintosh IIsi

The Apple Macintosh IIsi offers high performance and a wide range of expansion and video options, making it ideal for people who need a powerful but very affordable Macintosh system that can easily grow with their needs.

It comes complete with built-in support for four Apple monitors, an internal expansion slot, and an exciting new Macintosh feature - sound input!

Processor	68030, 20 MHz Built-in Paged Memory Management Unit
Coprocessor	Optional via adapter card
RAM	3 Mb, expandable to 17 Mb
Internal Storage	3.5-inch 1.4 Mb SuperDrive and a 3.5-inch SCSI hard disk drive
Interfaces	NuBus expansion slot (NuBus or '030 Direct via adapter) External disk drive port SCSI port Built-in video port Sound input port Sound output port Apple Desktop Bus port Two RS-232/RS-422 serial ports
Networking	Built-in AppleTalk capability

### CPU Offerings

Macintosh IIsi 3 Mb HD40	\$4,995
Macintosh IIsi 5 Mb HD80	\$5,995

### Keyboards & Monitors

Keyboard	\$240	Extended Keyboard	\$440
12" Mono Display	\$545	8•24 Display Card	\$1,495
12" RGB Display	\$995		
13" RGB Display	\$1,495		
Portrait Display	\$1,795		
Two-Page Display	\$3,495		
21" Color Display	\$8,495		

### Options

NuBus Adapter Card	\$350
'030 Direct Slot Adapter Card	\$350
2 Mb Memory Expansion Kit	\$395
4 Mb Memory Expansion Kit	\$695
AppleCD SC Plus	\$1,495
Apple OneScanner	\$1,995
Universal Monitor Stand	\$170

### Sample Configurations

Portrait System 3/40	24 Bit Colour System 5/80
Macintosh IIsi 3/40	Macintosh IIsi 5/80
Portrait Display	13" RGB Display
Apple Keyboard	NuBus Adapter Card
	8•24 Display Card
	Apple Keyboard
\$7,030	\$9,575



### Macintosh IIci

The Macintosh IIci offers high performance and enhanced functionality in a system with a small footprint. It runs applications up to 45 percent faster than the Macintosh IIsi. It's an excellent choice for people who require very fast system operation, colour capability, and expandability. The Macintosh IIci also comes with built-in video support for several different Apple monitors, and supports 256 colours or shades of grey simultaneously.

Processor	68030, 25 MHz Built-in Paged Mem. Management Unit
Coprocessor	68882 floating-point unit
RAM	5 Mb, expandable to 32 Mb
Internal Storage	One 3.5-inch 1.4 Mb SuperDrive Optional 3.5-inch SCSI hard disk drive (80 Mb or 160 Mb)
Interfaces	Three internal NuBus expansion slots Internal cache connector Built-in video port External disk drive port SCSI port Stereo sound output Two Apple Desktop Bus ports Two RS-232/RS-422 serial ports
Networking	Built-in AppleTalk capability

### CPU Offerings

Macintosh IIci 5 Mb Floppy	\$7,495
Macintosh IIci 5 Mb HD80 with cache	\$8,495
Macintosh IIci 5 Mb HD160 with cache	\$9,495

### Keyboards & Monitors

Keyboard	\$240	Extended Keyboard	\$440
12" Mono Display	\$545	8•24 Display Card	\$1,495
12" RGB Display	\$995	8•24cc Display Card	\$3,295
Hi-Res RGB Colour	\$1,495		
Portrait Display	\$1,795		
Two-Page Mono Display	\$3,495		
21" Color Display	\$8,495		

### Options

Universal Monitor Stand	\$170
1 Mb Memory Expansion Kit	\$195
2 Mb Memory Expansion Kit	\$395
4 Mb Memory Expansion Kit	\$695
Apple OneScanner	\$1,995
AppleCD SC Plus	\$1,495

### Sample Configurations

Colour System	Workstation System
Macintosh IIci 5/80	Macintosh IIci 5/160
Hi-Res RGB Monitor	8•24 Display Card
Apple Keyboard	Two-Page Monitor
	Apple Keyboard
\$10,230	\$14,725



## Macintosh Quadra 700

The Macintosh Quadra 700 is our highest performance desktop system. It is designed with a powerful Motorola 68040 microprocessor, faster graphics architecture, and enhanced NuBus and SCSI sub-systems which make it possible for the computer to run applications up to twice as fast as the Macintosh IIx. The Quadra 700 has many built-in features including support for all Apple monitors and direct access to high-speed Ethernet networks.

Processor	MC68040; 25 MHz Built-in Paged Mem. Management Unit
Coprocessor	Integrated maths coprocessor on MC68040
RAM	4 Mb, expandable to 20 Mb
Internal Storage	One 3.5-inch 1.4 Mb SuperDrive Optional 3.5-inch SCSI hard disk drive (80 Mb or 160 Mb)
Interfaces	Two internal NuBus expansion slots Processor-direct slot Built-in video port SCSI port Stereo sound output port Sound input port Two Apple Desktop Bus ports Two RS-232/RS-422 serial ports AUI-15 Ethernet connector
Networking	Built-in AppleTalk and Ethernet

### CPU Offerings

Macintosh Quadra 700 4 Mb Floppy	\$10,495
Macintosh Quadra 700 4 Mb HD80	\$11,495
Macintosh Quadra 700 4 Mb HD160	\$12,495

### Keyboards & Monitors

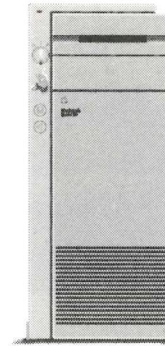
Keyboard	\$240	Extended Keyboard	\$440
12" Mono Display	\$545	8•24 Display Card	\$1,495
12" RGB Display	\$995	8•24cc Display Card	\$3,295
Hi-Res RGB Colour	\$1,495		
Portrait Display	\$1,795		
Two-Page Mono Display	\$3,495		
21" Color Display	\$8,495		

### Options

1 Mb Memory Expansion Kit	\$195
2 Mb Memory Expansion Kit	\$395
4 Mb Memory Expansion Kit	\$695
8 Mb Memory Expansion Kit	\$1,395
Apple OneScanner	\$1,995
AppleCD SC Plus	\$1,495
Macintosh VRAM Upgrade Kit	\$295

### Sample Configurations

Colour System	Workstation System
Macintosh Quadra 700 4/80	Macintosh Quadra 700 4/160
Hi-Res RGB Monitor	21" Color Display
Apple Extended Keyboard	Apple Extended Keyboard
\$12,430	\$21,430



## Macintosh Quadra 900

Maximum power . . . expansion . . . flexibility — the Macintosh Quadra 900 offers all three in the most powerful Macintosh ever. Designed with an ultrafast Motorola 68040 microprocessor running at 25 MHz it supports up to 64 Mb of RAM. In addition to built-in video and Ethernet support the Quadra 900 offers the flexibility of five NuBus expansion slots, ten built-in ports and support for up to four internal storage devices.

Processor	MC68040; 25 MHz Built-in Paged Mem. Management Unit
Coprocessor	Integrated maths coprocessor on MC68040
RAM	4 Mb, expandable to 64 Mb
Internal Storage	One 3.5-inch 1.4 Mb SuperDrive Optional 3.5-inch SCSI hard disk drive (160 Mb)
Interfaces	Five internal NuBus expansion slots Processor-direct slot Built-in video port SCSI port Stereo sound output port Monaural Sound input port Stereo line input port Apple Desktop Bus port Two RS-232/RS-422 serial ports AUI-15 Ethernet connector
Networking	Built-in AppleTalk and Ethernet

### CPU Offerings

Macintosh Quadra 900 4 Mb Floppy	\$13,495
Macintosh Quadra 900 4 Mb HD160	\$15,495

### Keyboards & Monitors

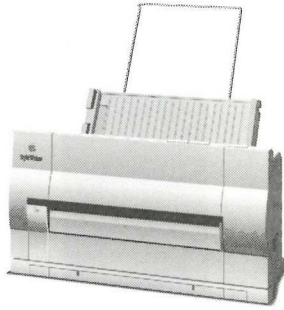
Keyboard	\$240	Extended Keyboard	\$440
12" Mono Display	\$545	8•24 Display Card	\$1,495
12" RGB Display	\$995	8•24cc Display Card	\$3,295
Hi-Res RGB Colour	\$1,495		
Portrait Display	\$1,795		
Two-Page Mono Display	\$3,495		
21" Color Display	\$8,495		

### Options

2 Mb Memory Expansion Kit	\$395
4 Mb Memory Expansion Kit	\$695
8 Mb Memory Expansion Kit	\$1,395
Apple OneScanner	\$1,995
AppleCD SC Plus	\$1,495
Macintosh VRAM Upgrade Kit	\$295

### Sample Configurations

Server System	Workstation System
Macintosh Quadra 900 4/160	Macintosh Quadra 12/160
12" Mono Display	21" Color Display
Apple Keyboard	Apple Extended Keyboard
\$16,280	\$25,825
	8 Mb RAM Upgrade



## Printers

The ImageWriter II is a versatile, dot-matrix printer. It works with any Apple II or Macintosh computer to produce quality text and graphics. An optional colour ribbon and appropriate software allows you to print in colour. It has flexible paper handling (sheet feed or continuous forms) and can be shared on an AppleTalk network using the ImageWriter II LocalTalk option.

The StyleWriter is a very affordable laser-quality printer and is ideal for people who want a personal printer that delivers great results for correspondence and general use. The StyleWriter uses Apple's advanced TrueType font technology, which allows users to print text in any size and a variety of styles. It delivers superior, high resolution (360 dpi) printed output at up to one-half page per minute on average and its unique, compact design allows it to fit easily into the smallest work spaces.

### ImageWriter II

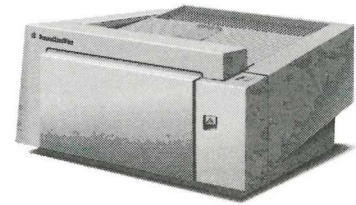
Print Method	Dot Matrix
Speed	1/2 ppm — best, 1ppm — draft
Quality	150 dpi
Interface	Serial

### StyleWriter

Print Method	Inkjet, Plain paper
Speed	1/2 ppm — best, 1ppm — draft
Quality	360 dpi
Interface	Serial

### Printers and Accessories

ImageWriter II	\$895
ImageWriter II Sheetfeeder	\$345
ImageWriter II LocalTalk option	\$150
StyleWriter	\$1,095
Ink Cartridge	\$50



## Personal LaserWriter

Apple Personal LaserWriters offer high quality laser printing at very affordable prices. Featuring a compact, space-saving design, the Personal LaserWriter fits neatly in the home or office environment.

The Personal LaserWriter LS is designed for individual use and directly connects to a Macintosh via a high speed serial interface. The Personal LaserWriter NT is a networkable PostScript printer, which is ideally suited for use by small workgroups of 1-4 users.

### Personal LaserWriter LS

Engine	Canon LBP-LX Laser xerographic
Processor	Apple Custom ASIC
Memory	64 K ROM, 512 K RAM
Speed*	4 ppm
Protocols	QuickDraw
Quality	300 x 300 dpi, full page
Interface	High speed serial (909 K/sec)

### Personal LaserWriter NT

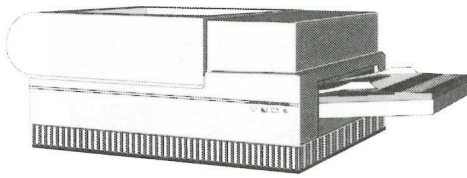
Engine	Canon LBP-LX Laser xerographic
Processor	Motorola 68000 (12 MHz) with Coprocessor
Memory	2 Mb ROM, 2 Mb RAM
Speed*	4 ppm
Protocols	Postscript, HP LaserJet Plus, and subset of Diablo 630
Quality	300 x 300 dpi, full page
Interface	Serial, LocalTalk

\* Maximum throughput of engine

### Printers and Accessories

Personal LaserWriter LS	\$2,295
Personal LaserWriter NT	\$4,495
Personal LaserWriter Toner Cartridge	\$185





## LaserWriter II

The Apple LaserWriter II family offers unparalleled performance and flexibility for people who produce high volumes of printed material, or who need to produce documents containing sophisticated text and graphics. With built-in networking, simultaneous connection of network and serial interfaces, and 8-page per minute performance, the LaserWriter II is ideal for workgroup printing requirements. Revolutionary PhotoGrade and FinePrint technology coupled with Postscript Level 2 software produce outstanding printed results previously unheard of in a 300 dpi laser printer.

### LaserWriter IIf

Engine	Canon LBP-SX Laser xerographic
Processor	Motorola 68030 (20 MHz)
Memory	2 Mb ROM, 2 Mb to 32 Mb RAM
Speed*	8 ppm
Protocols	PostScript Level 2 and HP LaserJet IIP
Quality	300 x 300 dpi, full page enhanced with FinePrint
Interface	Serial, LocalTalk
Expansion	RAM to 32 Mb, (5 Mb gives PhotoGrade) Upgrade path to Laserwriter IIg

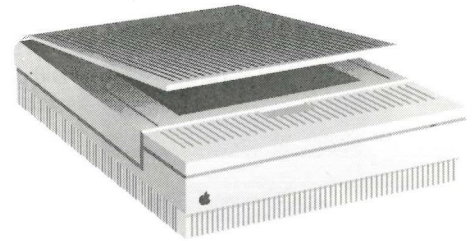
### LaserWriter IIg

Engine	Canon LBP-SX Laser xerographic
Processor	Motorola 68030 (25 MHz)
Memory	2 Mb ROM, 5 Mb to 32 Mb RAM
Speed*	8 ppm
Protocols	PostScript Level 2 and HP LaserJet IIP emulation
Quality	300 x 300 dpi, full page enhanced with FinePrint and PhotoGrade
Expansion	RAM, up to 32 Mb External SCSI port for hard disk
Interface	Simultaneous Serial, LocalTalk, Ethernet

\* Maximum throughput of engine

### Options

LaserWriter IIf	\$6495
LaserWriter IIg	\$7995
Toner Cartridge	\$245
1 Mb Memory Expansion	\$465
4 Mb Memory Expansion	\$1,550



## Peripheral Products

Apple's peripheral products include a broad range of products designed to enhance your computing experience. Products such as the Apple OneScanner and AppleCD SC Plus augment the desktop publishing and multimedia solution. Apple's peripheral products work across the Macintosh range and many work with the Apple II family as well. The peripheral products are designed to work seamlessly with the CPU and each other, and offer the same ease of use and installation.

### Scanner

Apple OneScanner	\$1,995
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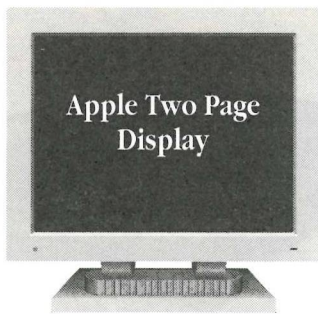
### Disk Drives

Apple Hard Disk SC family	\$995-\$2,995
AppleCD SC Plus	\$1,495
Apple External 1.4 Mb SuperDrive	\$545

### Communication Products

Serial NuBus Card	\$1,845
Apple TokenTalk NuBus Card	\$1,995
Apple Coax/Twinax Card	\$1,795
Apple Ethernet NuBus Card	\$675
Apple Ethernet LC Card	\$325
Apple Ethernet Media Adapter	\$295
AppleShare 3.0 File Server	\$1,495
Mac Terminal	\$153
AppleTalk Internet Router	\$545
AppleTalk Remote Access	\$245

SNA • ps/8-64	\$1,995-\$5,995
SNA • ps 3270	\$445
SNA • ps 3270gc	\$165



## Display Systems

Apple Monitors and Display cards are designed to offer the best display solution for users. From the Macintosh 12-inch Monochrome Display, Apple's most affordable monitor, to the Macintosh 21" Color Display, Apple has an extensive range of high quality monitors. Depending on the video configuration, these monitors can display 256 colours or shades of grey, some can display more than 16 million colours.

Macintosh Display Cards offer options of 8 or 24 bit (256 or over 16 million colours). The most powerful display card, The Macintosh Display Card 8•24GC, includes a dedicated graphics processor for significantly faster drawing speeds.

### Specifications

Monitor Features	Mac 12" Mono	Mac 12" RGB	Apple Hi-Res RGB	Mac Portrait	Apple Two Page	Mac 21" Color
Colour/Mono	M	C	C	M	M	C
Size (diagonal)	12"	12"	13"	15"	21"	21"
Pixel map	640 x480	512 x384	640 x480	640 x870	1152 x870	1152 x870
DPI	76	64	69	80	77	79
<b>Imaging Configurations (colour/shades of grey)</b>						
Macintosh LC	16	256	16	-	-	-
Macintosh IIsi	256	256	256	16	-	-
Macintosh IIfx	256	256	256	16	-	-
Quadra	256	>16M	>16M	256	256	>16M
Display Card 8•24	256	>16M	>16M	256	256	>16M
Display Card 8•24GC	256	-	>16M	256	256	>16M

### Monitors

Macintosh 12" Monochrome	\$545
Macintosh 12" RGB	\$995
Apple Hi-Res RGB	\$1,495
Macintosh Portrait Display	\$1,795
Apple Two Page Display	\$3,495
Macintosh 21" Color Display	\$8,495

### Display Cards

Macintosh 8•24 Display Card	\$1,495
Macintosh 8•24GC Display Card	\$3,295

### Video Expansion

VRAM Expansion Kit (for 4•8 Display Card)	\$595
DRAM Expansion kit (for 8•24GC Display Card)	\$895
Mac LC 512 K VRAM	\$295

## Glossary of Terms

**Apple Desktop Bus (ADB):** A low-speed, input-only serial bus with connectors on the back panel of the computer that you use to attach the keyboard, mouse, and other Apple Desktop Bus devices, such as graphics tablets, hand controls, and specialised keyboards.

**CD-ROM:** Acronym for compact disc read-only memory; a compact disc 120 mm in diameter that can store as much as 550 MB of information. The information is designated as read-only memory because a CD drive can read the information but cannot record new information.

**Coprocessor:** An auxiliary processor that is designed to relieve the demand on the main processor by performing a few specific tasks. Coprocessors may favor a certain set of operations, like floating-point calculations, and therefore they can optimise the speed at which such operations are processed.

**Ethernet:** A high-speed local area network that consists of a cable technology and a series of communication protocols. The hardware (cable) provides the physical link to connect systems together. The protocol (software) allows different computers to exchange information over a network.

**Expansion card:** A circuit board that implements specialised functions not otherwise supported by the computer. Expansion cards are installed in expansion connectors or expansion slots.

**Finder:** The application that maintains the Macintosh desktop and starts up other programs at the request of the user. You use the Finder to manage documents and applications, and to get information to and from disks. You see the desktop upon starting up your computer, unless you have specified a different startup application.

**Floating-Point Coprocessor (MC68882):** A coprocessor on the Macintosh II family that provides high-speed support for extended-precision arithmetic operations.

**Grey Scale:** Shades of grey on the screen that are created by varying the intensity of the screen's pixels, rather than by using a combination of only black and white pixels to produce shading.

**MIDI:** Acronym for Musical Instrument Data Interface; a standard interface for electronically created music.

**MS-DOS:** The Microsoft Disk Operating System. This is the operating system that governs the IBM PC (under the version PC-DOS) and compatible computers.

**MultiFinder:** A multitasking operating system for Macintosh computers that makes it possible to have several applications open at the same time, including background applications that let you perform one task while the computer performs another.

**NuBus:** An address bus and data bus incorporated into the system architecture of the Macintosh II family. The NuBus architecture lets you add a variety of components to the system, by means of expansion cards.

**PMMU:** The Motorola 68851 Paged Memory Management Unit, which allows an operating system to reconfigure the arrangement of memory without physically moving data, so that different tasks can be "swapped" within the same space. The PMMU chip is needed with multitasking operating systems such as A/UX.

**ProDOS:** A family of disk operating systems developed for the Apple II family of computers. ProDOS stands for Professional Disk Operating System.

**Random-access Memory (RAM):** The part of the computer's memory that stores information temporarily while you're working on it. A computer with 2 Mb RAM has 2048 kilobytes of memory available to the user. Information in RAM can be referred to in an arbitrary or random order, hence the term random-access. (As an analogy, a book is a random-access storage device in that it can be opened and read at any point.) RAM can contain both application programs and your own information.

**Read-only Memory (ROM):** Memory whose contents can be read but not changed. Information is placed into read-only memory once, during manufacture. It remains there permanently, even when the computer's power is turned off.

**RGB:** Abbreviation for red-green-blue; a method of displaying colour video by transmitting the three primary colours as three separate signals.

**SCSI:** An acronym for Small Computer System Interface (pronounced "SKUH-zee"). An industry standard interface specification of mechanical, electrical, and functional standards for connecting peripheral devices such as certain kinds of hard disks, printers, and optical disks to small computers.

**SIMM:** An acronym for Single In-line Memory Module; a circuit board that contains memory chips, usually eight RAM chips. SIMMs attach to SIMM sockets on the computer's main circuit board.

**SuperDrive:** A 3.5-inch floppy disk drive that can read, write and format Macintosh, MS-DOS, OS/2, and Apple II ProDOS disks. Maximum capacity 1.4 Mb.

**UNIX Operating System:** A general-purpose time-sharing operating system and related set of utilities, originally developed at AT&T Bell Laboratories. A/UX is an enhanced version of the UNIX operating system for the Macintosh II family of computers.

**Virtual Memory:** Memory space that is separate from the main memory (physical RAM) and is instead located in auxiliary memory media (usually hard disks). The ability of a system to address virtual memory space is important for multitasking operating systems and applications too large to be handled in RAM alone.

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