



# Power Macintosh Upgrade Card and Power Macintosh Logic Board Upgrades

## Features of Power Macintosh Upgrade Card\*

### Power and speed

- Includes PowerPC 601 microprocessor with floating-point processor and 32K cache
- Doubles the processor speed of your Macintosh computer\*
- Includes 1MB level-2 cache

### Easy, do-it-yourself installation

- Simple, step-by-step instructions with illustrations allow you to install it yourself
- Most installations require no tools

### Compatibility

- On-board Power Macintosh ROM
- Runs programs written for Power Macintosh
- Runs Macintosh programs
- Runs MS-DOS and Windows programs (with third-party SoftWindows software)

## Logic Board Upgrades Available

- Macintosh 6100/60 and 6100/60Av\*\*
- Power Macintosh 7100/66 and 7100/66Av\*\*
- Power Macintosh 8100/80 and 8100/80Av\*\*

## Features of Power Macintosh Logic Board Upgrades\*

### Power and speed

- Includes PowerPC 601 microprocessor with floating-point processor and 32K cache
- Installation increases system speed to equal the corresponding Power Macintosh model

### Memory

- 8MB of RAM included with all upgrades
- Retains existing RAM from upgraded system (72-pin, 80 ns or faster SIMMs)

### Hard drive

- Retains existing hard drive from upgraded system (at least 160MB recommended)

### Video support, expansion, setup, System 7 software, compatibility, and communications

- Identical to corresponding Power Macintosh models

\*See Macintosh Upgrade Compatibility chart on reverse.

\*\*For detailed specifications on each of these Macintosh models, see the appropriate Power Macintosh data sheet.

Apple has very good news for Macintosh owners who want the new high-speed capabilities of Power Macintosh computers, but don't want to sacrifice their previous investments: the Power Macintosh Upgrade Card and the Power Macintosh Logic Board Upgrades.

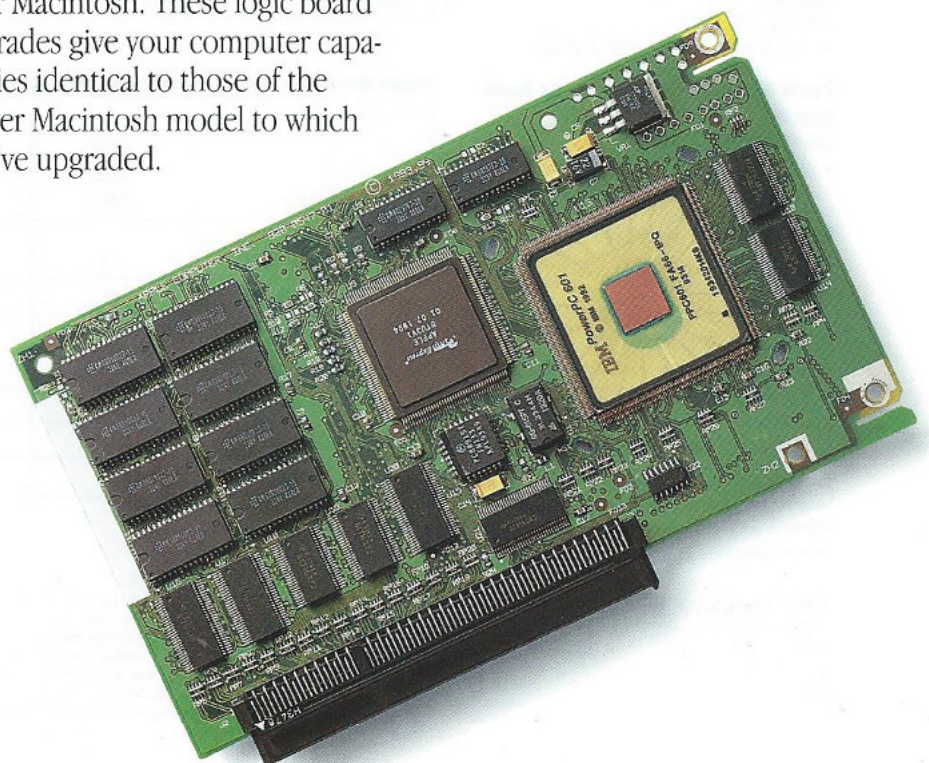
You can install the low-cost Power Macintosh Upgrade Card in the processor-direct slot of your Macintosh computer\* yourself—if you can follow simple, step-by-step instructions and you can use a screwdriver. The card adds the benefits of Power Macintosh technology to your Macintosh, and provides speeds up to four times faster when using programs optimized for Power Macintosh technology. And you can still run all your existing Macintosh applications.

In addition, even greater performance, as well as speech and telephony capabilities, can be yours if you choose the appropriate Power Macintosh Logic Board Upgrade\* for your Macintosh. These logic board upgrades give your computer capabilities identical to those of the Power Macintosh model to which you've upgraded.

By selecting a logic board AV upgrade, you can add support for video input and output. You can also add a CD-ROM drive with the appropriate internal CD-ROM upgrade.

Installation of both the logic board upgrades and logic board AV upgrades must be performed by an authorized Apple reseller. Your upgraded computer will retain your existing hard drive and, in most cases, your DRAM SIMMs, allowing you to take advantage of Power Macintosh capabilities and software written to take advantage of those capabilities.

Both the Power Macintosh Upgrade Card and the Power Macintosh Logic Board Upgrades give you the best of both worlds: Power Macintosh capabilities designed for the future, built on the foundation of the investment you already have in your Macintosh today.







# Power Macintosh Upgrade Card and Power Macintosh Logic Board Upgrades

## Ordering Information

### Power Macintosh Upgrade Card\*

Order No. M2843LL/A

- Power Macintosh Upgrade Card
- Necessary hardware for installation
- Complete installation instructions

### Power Macintosh 6100/60 Logic Board Upgrade\*

Order No. M2343LL/A

- With 8MB of RAM and Power Macintosh Display Adapter

### Power Macintosh 6100/60AV Logic Board Upgrade\*

Order No. M2901LL/A

- With 8MB of RAM and cable for S-video to composite video

### Power Macintosh 7100/66 Logic Board Upgrade\*

Order No. M2474LL/A

- With 8MB of RAM and 1MB of VRAM

### Power Macintosh 7100/66AV Logic Board Upgrade\*

Order No. M2840LL/A

- With 8MB of RAM, 2MB of VRAM, and S-video to composite video adapter

### Power Macintosh 8100/80 Logic Board Upgrade\*

Order No. M2344LL/A

- With 8MB of RAM and 2MB of VRAM

### Power Macintosh 8100/80AV Logic Board Upgrade\*

Order No. M2902LL/A

- With 8MB of RAM, 2MB of VRAM, and S-video to composite video adapter

### Internal CD-ROM Upgrades

- AppleCD 300i Plus internal CD-ROM drive: Order No. M3152LL/A
- Adapter kit for Power Macintosh 6100/60 or 6100/60AV: Order No. M2846LL/A
- Adapter kit for Power Macintosh 7100/66 or 7100/66AV: Order No. M3126LL/A
- Adapter kit for Power Macintosh 8100/80 or 8100/80AV: Order No. M2847LL/A

\* These upgrades include system software version 7; complete setup, learning, and reference documentation; as well as a limited warranty.

## Apple Computer, Inc.

20525 Mariani Avenue  
Cupertino, CA 95014  
(408) 996-1010  
TLX 171-576

## Power Macintosh Upgrade Card Technical Specifications

### Microprocessor

- Includes PowerPC 601 RISC microprocessor
- Provides integrated floating-point processor and 32K cache
- Runs at twice the clock speed of upgraded Macintosh

### Cache

- 1MB on-board level-2 cache

### Installation

- User-installable in Motorola 68040 processor-direct slot of upgraded Macintosh

### ROM

- Includes 4MB Power Macintosh ROM

### Operating environment

- Operating temperature: 50° to 131° F (10° to 55° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

### Macintosh Upgrade Compatibility

#### Logic Board Upgrades

Macintosh Model	6100/60 6100/60AV	7100/66 7100/66AV	8100/80 8100/80AV	Upgrade Card
Macintosh Quadra 900, 950				✓
Macintosh Quadra 840AV			✓	
Macintosh Quadra 800			✓	✓
Macintosh Quadra 700				✓
Macintosh Quadra or Macintosh Centris 660AV	✓			
Macintosh Quadra or Macintosh Centris 650		✓		✓
Macintosh Quadra or Macintosh Centris 610	✓			✓
Macintosh IIfx, IIfx, or Performa 600		✓		

### Power Macintosh Upgrade Card Speed Comparison

Macintosh Model	68040 Speed (MHz)	Macintosh Upgrade Card Speed (MHz)
Macintosh Quadra 950	33	66
Macintosh Quadra 900	25	50
Macintosh Quadra 800	33	66
Macintosh Quadra 700	25	50
Macintosh Quadra 650	33	66
Macintosh Quadra 610	25	50
Macintosh Centris 610	20	40

© 1994 Apple Computer, Inc. All rights reserved. Apple, the Apple logo, Macintosh, and Macintosh Quadra are trademarks of Apple Computer, Inc., registered in the U.S.A. and other countries. AppleCD and Macintosh Centris are trademarks of Apple Computer, Inc. PowerPC is a trademark of International Business Machines Corporation, used under license therefrom. SoftWindows is a registered trademark of Insignia Software, Inc. Windows is a trademark, and MS-DOS is a registered trademark, of Microsoft Corporation. Mention of non-Apple products or services is for informational purposes only and constitutes neither an endorsement nor a recommendation. Apple assumes no responsibility with regard to the selection, performance, or use of these products. All understandings, agreements, and warranties, if any, take place directly between the vendors and the prospective users.  
February 1994. Product specifications are subject to change without notice. Printed in the United States of America.  
L0603LL/A