



# Power Macintosh Logic Board Upgrades and Processor Upgrade Card

## Features of Power Macintosh Logic Board Upgrades

### Available models

- Power Macintosh 7600 (upgrades Power Macintosh 7200 series to 7600 series)
- Power Macintosh 8500 (upgrades Macintosh Quadra 800 or 840AV, or Power Macintosh 8100 to Power Macintosh 8500 series)

### Power and speed

- Processor upgradability with choice of PowerPC processor options. For current processor card options, see information in this data sheet.

### Memory and storage

- Power Macintosh 7600 upgrade can use the existing RAM from your Power Macintosh 7200
- Power Macintosh 8500 upgrade comes with 8MB of RAM
- Both upgrades retain existing hard disks
- 256K level 2 cache

### Expansion slots

- Both logic board upgrades feature PCI expansion slots (do not allow for the installation of NuBus cards)

### Additional capabilities

- Power Macintosh 7600 upgrade provides video-input capabilities
- Power Macintosh 8500 upgrade includes video-input/output subsystem

Logic board upgrades must be performed by an authorized Apple reseller or service provider.

## Features of Power Macintosh Processor Upgrade Card

### Power and speed

- Includes PowerPC 604 processor with floating-point processor and 32K on-chip cache available in two speeds: 120 MHz and 132 MHz
- Includes 180-MHz PowerPC 604e processor with floating-point processor and 64K on-chip cache

If you're a Macintosh owner who wants to gain the advanced capabilities of more powerful Power Macintosh models without sacrificing your previous investments, Apple has good news for you. Logic board upgrades are now available that give any Power Macintosh 7200 series system the advanced capabilities of the Power Macintosh 7600 series, and that turn Macintosh Quadra 800 or 840AV, or Power Macintosh 8100 computers into Power Macintosh 8500 series systems. These upgrades feature processor upgradability, so you can select the Power Macintosh Processor Upgrade Card that best meets your requirements—secure in the knowledge that if your needs change, you can easily upgrade to a faster processor in the future.

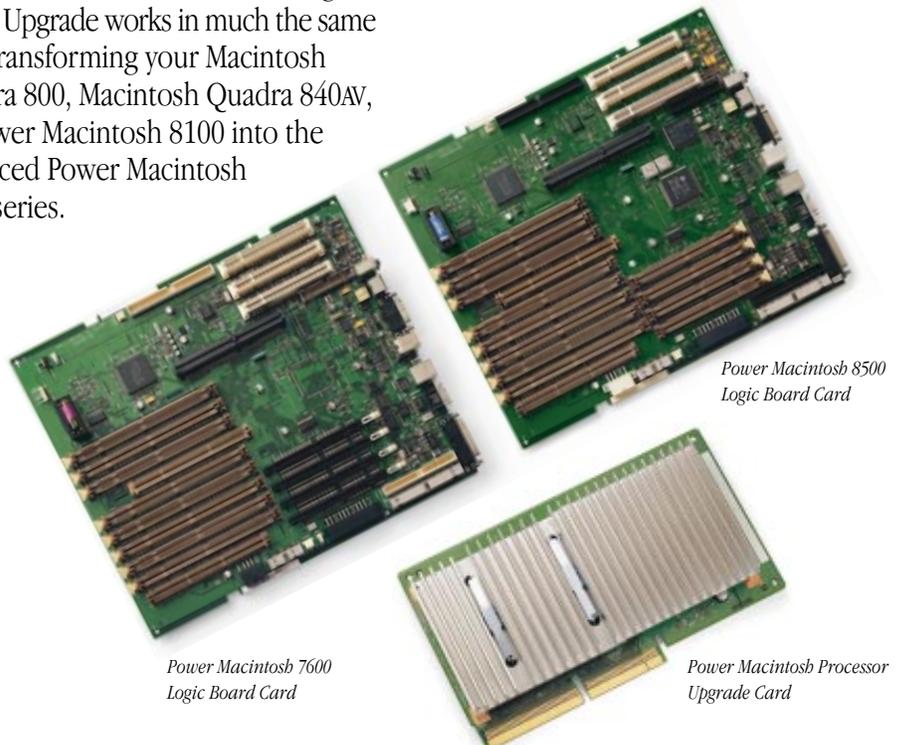
If you own a Power Macintosh 7200 series computer, the Power Macintosh 7600 Logic Board Upgrade can transform your system into a Power Macintosh 7600 series system, with video-input capabilities.

The Power Macintosh 8500 Logic Board Upgrade works in much the same way, transforming your Macintosh Quadra 800, Macintosh Quadra 840AV, or Power Macintosh 8100 into the advanced Power Macintosh 8500 series.

High-performance features of the 8500 upgrade include a complete, near-broadcast-quality video-input/output subsystem that's optimized for video editing. And, as with the 7600 upgrade, you can opt for the processor of your choice, with no worry about obsolescence.

The Power Macintosh Processor Upgrade Card is currently available in three processor speeds: a 120-megahertz PowerPC 604 RISC processor, a 132-megahertz PowerPC 604, and an even more powerful 180-megahertz 604e. They work not only with the two Power Macintosh Logic Board Upgrades, but also with many of the existing Power Macintosh systems with Peripheral Component Interconnect (PCI) expansion slots. (For compatibility details, see the chart on the reverse side.)

Whatever Power Macintosh upgrade is right for you, you can rest assured that your investment in current equipment is protected, because your Power Macintosh was designed to provide the performance you need—now and in the future.



Power Macintosh 7600 Logic Board Card

Power Macintosh 8500 Logic Board Card

Power Macintosh Processor Upgrade Card



# Power Macintosh Logic Board Upgrades and Processor Upgrade Card

## Ordering Information

### Power Macintosh 7600 Logic Board Upgrade\*

Order No. M3842LL/B

- Power Macintosh 7600 logic board with video-input capabilities
- Accessory kit with documentation and a CD-ROM containing system software version 7.5.3

### Power Macintosh 8500 Logic Board Upgrade\*

Order No. M3807LL/C

- Power Macintosh 8500 logic board with video-input/output subsystem
- Accessory kit with documentation and a CD-ROM containing system software version 7.5.3

\* Requires processor purchase (see Processor Upgrade Card information); logic board upgrades must be performed by an authorized Apple reseller or service provider.

### Power Macintosh Processor Upgrade Card

Order No. M4731LL/A (120-MHz) and M4875LL/A (132-MHz)

- Card with 120-MHz or 132-MHz PowerPC 604 with floating-point processor and 32K on-chip cache

### Power Macintosh Processor Upgrade Card

Order No. M5458LL/A (180-MHz)

- Card with 180-MHz PowerPC 604e with floating-point processor and 64K on-chip cache

Product specifications are subject to change. Check with your Apple reseller for the most current information about product specifications and configurations.

## Technical Specifications

### Power Macintosh Logic Board Upgrades

#### Power and speed

- Processor upgrade card must be purchased separately; see chart for available options

#### Memory and storage

- Power Macintosh 7600 logic board upgrade can use existing RAM from upgraded system; includes 256K level 2 cache
- Power Macintosh 8500 logic board upgrade includes 8MB of RAM and 256K level 2 cache
- Both upgrades retain existing hard disks from upgraded system

#### Video support, expansion, setup, system software, compatibility, and communications

- Identical to corresponding Power Macintosh models (For detailed specifications on the Power Macintosh 7600 and 8500 series computers, see the appropriate product data sheets.)
- Includes accessory kit with CD-ROM containing system software version 7.5.3

#### Installation

- Must be installed by an authorized Apple reseller or service provider

### Macintosh Upgrade Compatibility

#### Logic Board Upgrades

Macintosh Model*	7600 Series	8500 Series
Power Macintosh 8100 series		✓
Power Macintosh 7200 series	✓	
Macintosh Quadra 840AV		✓
Macintosh Quadra 800		✓

\* Other Macintosh models do not have a logic board upgrade path.

### Power Macintosh Processor Upgrade Card Speed Comparison

Macintosh Model	RISC-based PowerPC 604 Processor Upgrade		Power PC 604e Processor Upgrade
	120 MHz	132 MHz	180 MHz
Power Macintosh 9500 series	X	✓	✓
Power Macintosh 8500 series	X	✓	✓
Power Macintosh 7600 series	X	✓	✓
Power Macintosh 7500 series	✓	✓	✓
Power Macintosh 7200 series	✓*	✓*	✓*

X Won't increase system performance

\*Requires 7200 to 7600 logic board upgrade and processor upgrade card

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August 1996. Product specifications are subject to change without notice. Printed in U.S.A.  
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