



## Macintosh PowerBook Processor Card and Logic Board Upgrades with PowerPC 603e

### Features of PowerBook PowerPC Upgrades

#### Power and speed

- Includes PowerPC 603e processor with floating-point coprocessor
- Enables your PowerBook computer to run from two to four times faster than previous PowerBook systems

#### Compatibility

- Runs hundreds of applications optimized for Power Macintosh
- Runs thousands of existing Mac OS applications
- Runs DOS and Windows applications using Insignia Solutions SoftWindows software

#### Memory

- Retains existing RAM upgrade cards

#### Models upgradable through Logic Board

- PowerBook 190/66 and 190cs/66
- PowerBook Duo 210, 230, 250, 270c, 280, 280c (all PowerBook Duo systems)

#### Models upgradable through Processor Card

- PowerBook 520, 520c, 540, and 540c

If you're a Macintosh PowerBook owner who wants the advanced capabilities of RISC-based PowerPC processor technology, without sacrificing your previous PowerBook investments, you can upgrade to PowerPC performance. Upgrade kits are now available for many PowerBook and all PowerBook Duo systems. These kits provide the high performance of today's PowerPC processor-based PowerBook computers.

The Macintosh PowerBook Processor Card Upgrade Kit for PowerBook 500 series computers includes 8 megabytes of memory and the advanced PowerPC 603e processor running at 100-megahertz.

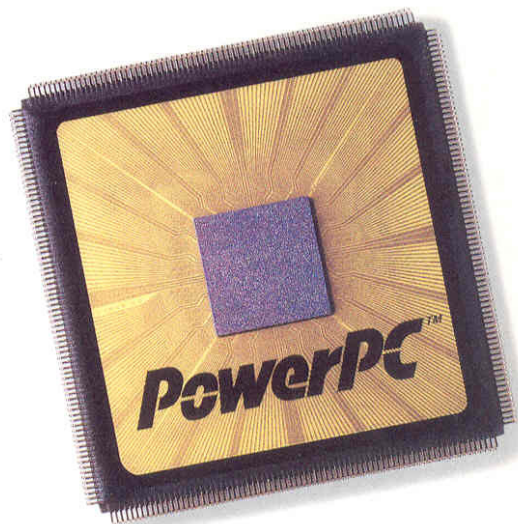
For the PowerBook Duo systems as well as for the PowerBook 190 series, the path to PowerPC performance is a complete logic board upgrade. This upgrade also includes 8 megabytes of memory and the advanced PowerPC 603e processor running at 100-megahertz.

These PowerPC upgrades give your computer processor performance equivalent to that of the PowerBook Duo 2300c/100 or the PowerBook 5300c/100.

Installation of either upgrade must be performed by an authorized Apple service provider. Your upgraded computer will retain your existing display, hard disk drive, modem, and memory expansion cards. In addition, the most recent version of the Mac OS—the Macintosh operating system—will be installed on your computer's hard disk drive.

No matter which upgrade is appropriate for you, your system can continue to use existing accessories such as power adapters, modems, batteries, memory expansion, and docking products. Along with hardware compatibility, you'll also have complete software compatibility: the high performance of the PowerPC processor will enable you to run your existing Macintosh applications, applications optimized for Power Macintosh, and with Insignia Solutions SoftWindows emulation software, even applications for DOS and Windows.

The entire family of upgrades gives you PowerPC processor-based capabilities designed for the future, built on the foundation of the investment you have in your PowerBook today.





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## Ordering Information

### Macintosh PowerBook Logic Board Upgrade Kit with PowerPC 603e for PowerBook Duo 200 series

Order No. M3171LL/A

- Logic board with 100-MHz PowerPC 603e, 8MB of RAM, 4MB of ROM, bus ASIC, and System 7.5.2 installed on the hard disk drive

### Macintosh PowerBook Logic Board Upgrade Kit with PowerPC 603e for PowerBook 190 series

Order No. M3881LL/A

- Logic board with 100-MHz PowerPC 603e, 8MB of RAM, 4MB of ROM, bus ASIC, and System 7.5.2 installed on the hard disk drive

### Macintosh PowerBook Processor Card Upgrade Kit with PowerPC 603e for PowerBook 500 series

Order No. M3081LL/A

- Processor card with 100-MHz PowerPC 603e, 8MB of RAM, 4MB of ROM, bus ASIC, and System 7.5.2 installed on the hard disk drive

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

## Technical Specifications

### Macintosh PowerBook Logic Board Upgrade Kit with PowerPC 603e for PowerBook Duo 200 series

#### Microprocessor

- 100-MHz PowerPC 603e

#### Memory

- 8MB of RAM, expandable to 56MB (existing RAM cards are compatible)

#### ROM

- 4MB of ROM (includes emulator)

#### ASIC

- Bus ASIC from 603e bus to 68030 bus

#### Type of upgrade

- Logic board

#### Installation

- Must be installed by an authorized Apple service provider

### Macintosh PowerBook Logic Board Upgrade Kit with PowerPC 603e for PowerBook 190 series

#### Microprocessor

- 100-MHz PowerPC 603e

#### Memory

- 8MB of RAM, expandable to 64MB (existing RAM cards are compatible)

#### ROM

- 4MB of ROM (includes emulator)

#### ASIC

- Bus ASIC from 603e bus to 68030 bus

#### Type of upgrade

- Logic board

#### Installation

- Must be installed by an authorized Apple service provider

### Macintosh PowerBook Processor Card Upgrade Kit with PowerPC 603e for PowerBook 500 series

#### Microprocessor

- 100-MHz PowerPC 603e

#### Memory

- 8MB of RAM, expandable to 40MB (existing RAM cards are compatible)

#### ROM

- 4MB of ROM (includes emulator)

#### ASIC

- Bus ASIC from 603e bus to 68030 bus

#### Type of upgrade

- Processor card

#### Installation

- Must be installed by an authorized Apple service provider

(Note: Your upgraded PowerBook will retain its original display and hard disk drive.)