Power Macintosh
233-MHz Processor Upgrade Kit

Performance
- Dramatically improves overall system performance
- Features a 233-MHz PowerPC 604e processor with integrated floating-point coprocessor and 32K on-chip cache
- Includes a 256K level 2 cache module designed to work with this processor

Economy
- Protects your investment in Apple hardware
- Extends the useful life of systems

Convenience
- Comes with everything you need to upgrade any of the supported systems (see reverse)

Announcing great news for Apple users. If you currently own any of a number of older-model Power Macintosh computers—or either of two earlier Workgroup Server systems—and you want the advanced capabilities of more powerful models, Apple has the ideal solution: the Power Macintosh 233-MHz Processor Upgrade Kit.

For many, the accelerating advances in computer technology are purely exciting. But if you're trying to keep pace with such technological advances while preserving existing investments in hardware, you might also find it frustrating.

Apple Computer understands just how difficult the balance between "hot new technology" and your bottom line can be. That's why we designed a number of our desktop and server systems to be flexible. More specifically, the Power Macintosh 7300, 7500, 7600, 8500, 8600, 9500, and 9600 desktop computers, as well as our Workgroup Server 7350 and 8550 models, feature a processor card that can be removed from the system's logic board—and replaced by a card containing a more advanced processor.

The Power Macintosh 233-MHz Processor Upgrade Kit offers this capability and more. It includes a card that contains a 233-megahertz PowerPC 604e processor, a 256K level 2 cache module designed to work effectively with this processor, and an auxiliary fan and grounding clip (not required for most installations; for specifics, see Installation Requirements chart). The kit provides everything you need to upgrade any of the supported systems—and to experience dramatic increases in power and speed.

So keep pace with the times: Get the Power Macintosh 233-MHz Processor Upgrade Kit. It's an easy, economical way to give existing systems a new lease on life—and to give yourself a new competitive edge.

Power Macintosh
233-MHz Processor Upgrade Kit

Power and speed
- 233-MHz PowerPC 604e processor with integrated floating-point coprocessor and 32K cache
- 256K level 2 cache module designed for use with this processor

Memory and storage
- Retains existing RAM
- Retains existing hard disk drive(s)

Installation
- Includes step-by-step instructions; however, because this installation can be technically challenging, Apple recommends that it be performed by an authorized Apple reseller or service provider. (In particular, only a qualified technician or Apple authorized service provider should perform the upgrade on any of the Power Macintosh 8500 models, which involves procedures not covered by the included documentation.)

System requirements
- Power Macintosh 7300, 7500, 7600, 8500, 8600, 9500, or 9600 desktop computer
- Workgroup Server 7350 or 8550

Installation Requirements

Part	Power Macintosh 7300/7500/7600	Power Macintosh 8500/8600	Power Macintosh 9500	Power Macintosh 9600	Workgroup Server 7350	Workgroup Server 8550
Processor card	✔	✔	✔	✔	✔	✔
Cache module	✔	✔			✔	
Auxiliary fan		✔				
Grounding clip	*					

Power Macintosh 7300, 7500, and 7600 models require the grounding clip if one is not already installed.

Sample Performance Data

Power Macintosh Model	Original MacBench Score	With Upgrade Kit New MacBench Score*	With Upgrade Kit Performance Increase
7500/100	160	412	158%
7600/, 8500/, 9500/120	240	412	72%
7600/, 8500/, 9500/132	250	412	65%
8500/, 9500/150	260	412	58%
7300/, 8500/180	330	412	25%

Approximate results based on Apple internal testing using MacBench 4.0

Based on relative MacBench processor performance scores. Actual performance on applications will vary.

MacBench is a subsystem-level benchmark that compares the relative performance level of Mac OS–based systems.

Power Macintosh 233-MHz Processor Upgrade Kit
Order No. M6223LL/A
- Card with 233-MHz PowerPC 604e with integrated floating-point coprocessor and 32K on-chip cache
- 256K level 2 cache module
- Auxiliary fan
- Grounding clip
- Installation guide
- Floppy disk containing Apple System Profiler 1.3 software

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

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