



# PowerBook G4



## Features

### High performance

- 550- or 667-MHz PowerPC G4 processor with Velocity Engine
- Performance-boosting 256K on-chip level 2 cache
- Up to 133-MHz system bus
- 256MB or 512MB of SDRAM, with support for up to 1GB
- ATI Mobility Radeon with AGP 4X graphics acceleration and 16MB of video memory
- Choice of fast Ultra ATA/66 hard drives up to 48GB<sup>1</sup>

### Exceptional portability

- 1-inch-thin, 5.4-pound-light design<sup>2</sup> enclosed in a titanium case
- Up to 5 hours of runtime on a single battery<sup>3</sup>
- Compact, lightweight AC power adapter that fits easily in a briefcase or backpack

### Wireless and wired networking

- Ready for AirPort wireless networking; AirPort Card included in selected configurations<sup>4</sup>
- Built-in 10/100/1000BASE-T (Gigabit) Ethernet for high-speed network connections
- Integrated 56K V.90 modem<sup>5</sup>
- Infrared (IrDA) communications

### Versatile expandability

- Slot-loading DVD-ROM/CD-RW Combo drive
- 15.2-inch (diagonal) mega-wide display with 1152-by-768-pixel resolution in millions of colors
- FireWire, USB, VGA output, and S-video output ports and PC Card slot
- Support for dual display and video mirroring on an external VGA monitor, video projector, or TV
- iMovie 2 or optional Final Cut Pro 3 software for digital video editing
- iTunes 2 software for managing your digital audio collection, auto-updating iPod, and creating music CDs

Designed to be the world's best full-featured portable computer, the PowerBook G4 features an extraordinary titanium design that is just 1 inch thin and 5.4 pounds.<sup>2</sup> It delivers a high-performance architecture, a slot-loading DVD-ROM/CD-RW Combo drive, built-in wireless networking options, lightning-fast graphics, a stunning 15.2-inch mega-wide screen, and up to 5 hours of battery life.<sup>3</sup> It's no wonder that the PowerBook G4 is the portable computer of choice in creative, higher education, and business settings.

With a PowerPC G4 processor running at up to 667 MHz and support for as much as 1GB of RAM, the PowerBook G4 has the performance you need for demanding desktop video editing and graphic design projects. Add to that the advanced features of Mac OS X, such as preemptive multitasking and protected memory, and enjoy unprecedented system responsiveness and reliability. The ATI Mobility Radeon graphics accelerator, with AGP 4X support and 16MB of fast DDR memory, will streamline your design and publishing work and push your 3D gaming experience to new heights. The PowerBook G4 also offers improved hardware mirroring for smooth video playback in presentations, along with dual display capability for using external monitors and projectors.

The PowerBook G4 offers the best of both wireless and wired options. AirPort wireless networking lets you take your PowerBook around your office, school, or home—virtually anywhere within 150 feet of an AirPort Base Station—while staying connected for email, web browsing, and other online activities.<sup>4</sup> The PowerBook G4 is the first portable with built-in Gigabit Ethernet for connection to high-speed networks and superfast file transfers. And for those times when a dialup connection is needed, it includes a 56K V.90 modem.<sup>5</sup>

With the PowerBook G4, you have boundless creative potential that you can take with you anywhere. The DVD-ROM/CD-RW Combo drive lets you burn CDs to share your work with colleagues, create your own "favorite hits" CD with iTunes, or take a break and watch a movie on the 15.2-inch mega-wide screen. Hook up your DV camcorder to edit digital video with iMovie, or go the professional route and add Apple's Final Cut Pro software. Plug in iPod, Apple's portable MP3 player, and download an entire CD from iTunes 2 in less than 10 seconds. And with built-in expansion options such as FireWire, USB, a PC Card slot, and video output, you can easily add even more capabilities to your PowerBook.



## Specification Sheet

### PowerBook G4

## Technical Specifications

### Processor and memory

- 550- or 667-MHz PowerPC G4 processor with Velocity Engine
- 256K of on-chip level 2 cache running at processor speed
- 100-MHz system bus (550-MHz system) or 133-MHz system bus (667-MHz system)
- 256MB or 512MB of PC133 SDRAM; two SO-DIMM slots support up to 1GB

### Storage

- 20GB (4200-rpm), 30GB (4200-rpm), or 48GB (5400-rpm) Ultra ATA/66 hard disk drive (48GB drive available in build-to-order computers)<sup>1</sup>
- Slot-loading DVD-ROM/CD-RW Combo drive (reads DVDs at 8x and CDs at 24x; writes CD-R and CD-RW discs at 8x)

### Communications

- Built-in 10/100/1000BASE-T Ethernet (RJ-45 connector)
- Built-in 56K V.90 modem (RJ-11 connector)<sup>5</sup>
- Built-in 11-Mbps AirPort Card (IEEE 802.11 DSSS compliant) in 667-MHz configuration; 550-MHz configuration is AirPort ready<sup>4</sup>
- Infrared technology port (4 Mbps)

### Expansion

- One 400-Mbps FireWire (IEEE 1394) port<sup>6</sup>
- Two 12-Mbps USB ports
- One PC Card/CardBus slot supporting one Type I or Type II card

### Video and graphics support

- Built-in 2D/3D graphics acceleration through an integrated ATI Mobility Radeon graphics accelerator with AGP 4X support and 16MB of DDR RAM video memory
- Support for dual display and video mirroring: Millions of colors on the built-in display and an external display at up to 1600 by 1200 pixels
- Support for a single external display: Millions of colors on a single external display at up to 1920 by 1440 pixels
- 24-bit video output port (VGA-style connector)
- S-video output port
- S-video to composite adapter

### Display

- 15.2-inch (diagonal) built-in TFT widescreen active-matrix display
- Support for millions of colors at 1152-by-768-pixel resolution
- Support for resolutions of 1152 by 768, 896 by 600, and 720 by 480 pixels at 3:2 aspect ratio
- Support for resolutions of 1024 by 768, 800 by 600, and 640 by 480 pixels at 4:3 aspect ratio

### Audio

- 16-bit CD-quality stereo output (minijack)
- Two built-in stereo speakers
- Internal omnidirectional microphone

### Battery and power

- 55.3-watt-hour lithium-ion battery (with integrated charge indicator LEDs) providing up to 5 hours of battery life<sup>3</sup>
- Power adapter with cable management system
- Power adapter port

### Security

- Kensington cable lock slot
- Keyboard lock

### Keyboard

- Built-in full-size keyboard with 77 (U.S.) or 78 (ISO) keys, including 12 function keys, 4 arrow keys (inverted "T" arrangement), and embedded keypad

### Trackpad

- Solid-state trackpad for precise cursor control; supports tap, double-tap, and drag capabilities

### Electrical requirements

- Line voltage: 100V to 240V AC
- Frequency: 50 to 60 Hz

### Environmental requirements

- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: -40° to 116° F (-40° to 47° C)
- Relative humidity: 20% to 80% noncondensing
- Maximum operating altitude: 10,000 feet
- Maximum storage altitude: 15,000 feet
- Maximum shipping altitude: 35,000 feet

### Size and weight

- Height: 1.0 inch (2.6 cm)
- Width: 13.4 inches (34.1 cm)
- Depth: 9.5 inches (24.1 cm)
- Weight: 5.4 pounds (2.4 kg) with battery installed<sup>2</sup>



## Specification Sheet

### PowerBook G4



### Configurations

Order no.	M8622LL/A	M8623LL/A
Processor	550-MHz PowerPC G4	667-MHz PowerPC G4
On-chip level 2 cache	256K at 550 MHz	256K at 667 MHz
Memory (PC133 SDRAM)	256MB	512MB
Display	15.2-inch (diagonal) TFT	15.2-inch (diagonal) TFT
Graphics support	ATI Mobility Radeon with 16MB of DDR RAM	ATI Mobility Radeon with 16MB of DDR RAM
Hard disk drive <sup>1</sup>	20GB Ultra ATA/66	30GB Ultra ATA/66
Optical drive	Slot-loading DVD-ROM/CD-RW	Slot-loading DVD-ROM/CD-RW
Ethernet	Built-in 10/100/1000BASE-T	Built-in 10/100/1000BASE-T
Modem <sup>2</sup>	56K V.90	56K V.90
Wireless networking <sup>4</sup>	AirPort ready	Built-in AirPort Card

All models include a built-in keyboard and trackpad; modem cable; power adapter; S-video to composite adapter; Mac OS X v10.1, Mac OS 9.2, QuickTime, iMovie 2, iTunes 2, Microsoft Internet Explorer, Microsoft Outlook Express, Netscape Communicator, and FAXstf software; Apple Hardware Test CD; complete setup, learning, and reference documentation; limited warranty; and 30 days of free Internet service through EarthLink.

Internet access requires an Internet service account. Product contains electronic documentation. Backup copy of software is provided on CD-ROM.

### Service and Support

Your PowerBook G4 comes with 90 days of telephone support and a one-year limited warranty. Purchase the AppleCare Protection Plan to extend your service and support to three full years. Only the AppleCare Protection Plan provides you with direct telephone support from Apple technical experts and the assurance that repairs will be handled by Apple-certified technicians using genuine Apple parts. For more information, visit [www.apple.com/support/products](http://www.apple.com/support/products) or call 800-823-2775.

### For More Information

For more information about this product or to find out where to buy Apple products, visit [www.apple.com/hardware](http://www.apple.com/hardware) or call 800-538-9696. You can purchase Apple products from your authorized Apple reseller, the online Apple Store ([www.apple.com/store](http://www.apple.com/store) or 800-MY-APPLE), or Apple's retail stores.

Visit the Macintosh Products Guide at [www.apple.com/guide](http://www.apple.com/guide) for the latest information on more than 18,000 hardware and software products for your new computer.

Apple offers iTools, a suite of Internet services, to help you get more out of using the web. Visit [www.apple.com](http://www.apple.com) to sign up.

### Build-to-Order Options

In addition to choosing from Apple's preconfigured systems, you can order a custom-configured PowerBook G4 from your authorized Apple reseller or the online Apple Store. Build-to-order options include processor speed, amount of RAM, hard disk capacity, and AirPort Card. Also available are additional lithium-ion batteries and power adapters, external keyboards and mice, and third-party peripherals such as USB Zip and FireWire hard disk drives. For up-to-date information, visit [www.apple.com/store](http://www.apple.com/store) or call 800-MY-APPLE.

### Other Options

Product	Order no.
PowerBook G4 Rechargeable Battery	M8244G/B
Apple Portable Power Adapter	M8576LL/A
Apple Pro Keyboard	M7696LL/A
Apple Pro Mouse	M7697ZM/A
AirPort Card	M7600LL/C
AirPort Base Station	M8209LL/A
iPod	M8513LL/A
AppleCare Protection Plan	M8109LL/A

<sup>1</sup> 1GB = 1 billion bytes; actual formatted capacity less.

<sup>2</sup> Weight varies by configuration and manufacturing process.

<sup>3</sup> Battery life depends on configuration and use.

<sup>4</sup> Wireless Internet access requires AirPort Card, AirPort Base Station, and Internet access (fees may apply). Some ISPs are not currently compatible with AirPort. Range may vary with site conditions.

<sup>5</sup> Actual modem speeds lower; speed depends on connection rate and other factors.

<sup>6</sup> Actual rates will vary.



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Apple

1 Infinite Loop  
Cupertino, CA 95014  
408-996-1010  
[www.apple.com](http://www.apple.com)