



# PowerBook G4



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## Features

### Unprecedented performance

- 667MHz or 800MHz PowerPC G4 processor with Velocity Engine and 1MB of level 3 cache
- 133MHz system bus
- 256MB or 512MB of SDRAM, with support for up to 1GB
- Choice of fast Ultra ATA hard drives up to 60GB<sup>1</sup>

### Mega-wide workspace

- 15.2-inch (diagonal) mega-wide screen with 1280-by-854-pixel resolution and wide viewing angle
- ATI Mobility Radeon 7500 graphics processor with 32MB of DDR SDRAM
- Connection to ADC-equipped Apple flat-panel displays using the Apple DVI to ADC Adapter<sup>2</sup>
- DVI, VGA, S-video, and composite output options for connecting to flat-panel displays, CRTs, TVs, and projectors
- Dual display and hardware video mirroring support

### Exceptional portability

- 1-inch-thin, 5.4-pound-light<sup>3</sup> design enclosed in a titanium case
- Up to 5 hours of runtime on a single battery<sup>4</sup>
- Compact, lightweight AC power adapter that fits easily in a briefcase or backpack
- AirPort Card,<sup>5</sup> Gigabit Ethernet, and 56K modem<sup>6</sup> for wired or wireless communications

### Expand. Connect. Create.

- Slot-loading Combo drive (DVD-ROM/CD-RW) for DVD playback and CD burning
- FireWire, USB, and audio line in and out ports, and PC Card slot
- Optional Bluetooth technology for wireless connectivity<sup>7</sup>
- 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<sup>8</sup>
- iPhoto software for managing your digital photos

Whether you use a Mac, Windows, or UNIX system, your search for the world's best high-performance thin and light notebook computer is over. The new PowerBook G4 easily runs everything from Microsoft Office to Final Cut Pro to Adobe Photoshop. It also connects to just about anything, from wireless networks to digital cameras to the stunning Apple Cinema Display. Truly a study in contrasts, the PowerBook G4 gives you a gorgeous 15.2-inch mega-wide screen and up to 5 hours of battery life<sup>4</sup> in an unrivaled 1-inch-thin titanium design that weighs as little as 5.4 pounds.<sup>3</sup>

With a PowerPC G4 processor with Velocity Engine running at up to 800MHz—and 1MB of L3 cache for an extra performance boost—the PowerBook G4 is a truly powerful and portable computer. In fact, it delivers performance that surpasses Pentium 4-based notebooks by up to 33 percent in Adobe Photoshop testing.<sup>9</sup> For superior performance in graphic design work, DVD movie playback, and 3D gaming, the PowerBook G4 features the ATI Mobility Radeon 7500 graphics processor with 32MB of DDR SDRAM. Complementing this performance platform is Mac OS X—a supermodern operating system that combines the power and stability of UNIX with the elegance of Macintosh.

Such incredible power deserves equally impressive display capabilities. The PowerBook G4 features a new 15.2-inch mega-wide screen with 1280-by-854-pixel resolution, which gives you the largest workspace, best color saturation, and widest viewing angle ever in a PowerBook. Compared with 15-inch XGA screens, you get 39 percent more workspace. If you need to increase your workspace even more or deliver a presentation, the PowerBook G4 features DVI, VGA, S-video, and composite output options for connectivity to flat-panel displays, CRTs, TVs, and projectors. And for the first time ever, you can have the ultimate pure digital experience and even more workspace by connecting your PowerBook to an Apple flat-panel display.<sup>2</sup>

When it comes to networking, the PowerBook G4 has you covered. With an AirPort Card, you're ready to connect to a wireless network at work, at home, or in a café.<sup>5</sup> If you're looking for a high-speed connection via Ethernet, DSL, or cable modem, just plug into the Gigabit Ethernet port. Of course, there's a built-in 56K modem as well.<sup>6</sup> You can also use Bluetooth wireless technology to link Bluetooth-enabled PDAs, cell phones, and other peripherals to your PowerBook G4.<sup>7</sup>

The PowerBook G4 provides multiple ways for you to express your creativity. With the slot-loading Combo drive (DVD-ROM/CD-RW), you can burn CDs, watch DVD movies, or listen to music CDs. FireWire, USB, and audio ports provide connectivity to devices like iPod, DV cameras, and external microphones to help you make movies, download digital photos, or even compose your own music.

The PowerBook G4: Accomplish more. Carry less.



## Specification Sheet

### PowerBook G4

## Technical Specifications

### Processor and memory

- 667MHz or 800MHz PowerPC G4 processor with Velocity Engine
- 1MB of DDR SDRAM level 3 cache
- 133MHz system bus
- 256MB or 512MB of PC133 SDRAM; two SO-DIMM slots support up to 1GB

### Storage

- 30GB or 40GB 4200-rpm Ultra ATA/66 hard disk drive (60GB 5400-rpm drive available in build-to-order computers)<sup>1</sup>
- Slot-loading Combo drive (DVD-ROM/CD-RW) 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>6</sup>
- Built-in 11-Mbps AirPort Card (IEEE 802.11 DSSS compliant) in 800MHz configuration; 667MHz configuration is AirPort ready<sup>6</sup>

### Expansion

- One 400-Mbps FireWire (IEEE 1394) port<sup>10</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 7500 graphics processor with AGP 4X support and 32MB of DDR SDRAM video memory
- Support for dual display and video mirroring: Millions of colors on the built-in display and on an external display at up to 2048 by 1536 pixels<sup>11</sup>
- Support for a single external display: Millions of colors on an external display at up to 2048 by 1536 pixels<sup>11</sup>
- DVI output port
- VGA output support with included Apple DVI to VGA Adapter
- S-video output port
- Composite output support with included S-video to composite adapter

### Display

- 15.2-inch (diagonal) built-in TFT display
- Support for millions of colors at 1280-by-854-pixel resolution
- Support for resolutions of 1280 by 854, 1152 by 768, 896 by 600, 720 by 480, and 640 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

- Audio line in (minijack)
- Audio line out (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>4</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: 50Hz to 60Hz

### 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 and optical drive installed<sup>3</sup>



## Specification Sheet

### PowerBook G4



## Configurations

Order no.	M8591LL/A	M8592LL/A
Processor	667MHz PowerPC G4	800MHz PowerPC G4
Level 3 cache (DDR SDRAM)	1MB with 2.6-GBps throughput	1MB with 3.2-GBps throughput
Memory (PC133 SDRAM)	256MB	512MB
Display	15.2-inch (diagonal) TFT	15.2-inch (diagonal) TFT
Graphics	ATI Mobility Radeon 7500 with 32MB of DDR SDRAM	ATI Mobility Radeon 7500 with 32MB of DDR SDRAM
Hard disk drive <sup>1</sup>	30GB Ultra ATA	40GB Ultra ATA
Optical drive	Slot-loading Combo (DVD-ROM/CD-RW)	Slot-loading Combo (DVD-ROM/CD-RW)
Wireless networking <sup>5</sup>	AirPort ready	Built-in AirPort Card
Ethernet	Built-in 10/100/1000BASE-T	Built-in 10/100/1000BASE-T
Modem <sup>6</sup>	56K	56K

All models include a built-in keyboard and trackpad; modem cable; power adapter; S-video to composite adapter; DVI to VGA adapter; Mac OS X v10.1, Mac OS 9.2, QuickTime 5, iMovie 2, iTunes 2, iPhoto, Mac OS X Mail, Acrobat Reader, Art Directors Toolkit, EarthLink, FAXstf, Graphic Converter, Microsoft Internet Explorer, OmniGraffle, OmniOutliner, PCalc, PixelNance, and Snapz Pro X 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; fees may apply. Product contains electronic documentation. Backup copy of software is provided on CD-ROM.

## 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, Apple flat-panel displays, 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.

## Apple Displays

- Apple Studio Display (15-inch flat panel); M7928ZM/A
- Apple Studio Display (17-inch flat panel); M7649ZM/A
- Apple Cinema Display (22-inch flat panel); M8058ZM/A
- Apple Cinema HD Display (23-inch flat panel); M8537ZM/A

## Other Options

Product	Order no.
AirPort Card	M7600LL/D
AirPort Base Station	M8209LL/A
Apple Portable Power Adapter	M8743LL/A
Apple Pro Keyboard (White)	M8733LL/A
Apple Pro Mouse (White)	M8732ZM/A
Apple DVI to ADC Adapter	M8661LL/A
Apple DVI to VGA Adapter	M8754G/A
Final Cut Pro 3	M8562Z/A
iPod (5GB)	M8513LL/A
iPod (10GB)	M8709LL/A
PowerBook G4 Rechargeable Battery	M8244G/B
AppleCare Protection Plan	M8109LL/A

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### PowerBook G4

## 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.

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- 1 1GB = 1 billion bytes; actual formatted capacity less.
- 2 Connection to Apple flat-panel displays requires PowerBook G4 with DVI port and an Apple DVI to ADC Adapter (sold separately).
- 3 667MHz model starts at 5.4 pounds with battery and optical drive installed. Actual weight varies by configuration and manufacturing process.
- 4 Battery life depends on configuration and use.
- 5 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.
- 6 Actual modem speeds lower; speed depends on connection rate and other factors.
- 7 Requires third-party USB adapter and additional Apple software.
- 8 iTunes is for legal or rightholder-authorized copying only. Don't steal music.
- 9 Tests performed on 800MHz system with Adobe Photoshop 7 (April 2002).
- 10 Actual rates will vary.
- 11 Some external third-party DVI displays may not support all resolutions.



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