PowerBook G4

Features

Revolutionary design
- 1-inch-thin, 5.3-pound-light design enclosed in a durable titanium case[1]
- 15.2-inch widescreen active-matrix display with 1152-by-768-pixel resolution in millions of colors
- Slot-loading DVD-ROM drive for playback of DVD-Video, DVD-ROM, DVD-RAM, and CD-ROM discs

Supercomputer performance
- Up to 500-MHz PowerPC G4 processor with Velocity Engine for the fastest performance of any notebook computer[2]
- Performance-boosting 1MB backside level 2 cache
- Support for up to 1GB of SDRAM to streamline application performance
- Up to 5 hours of runtime on a single battery[3]
- Choice of fast Ultra ATA/66 internal hard drives with up to 30GB of storage capacity[4]
- Easy expandability through FireWire, USB, and PC Card slot

Movies, music, and more
- Apple iMovie software for making Desktop Movies
- Apple iTunes software for managing your digital audio collection[5]
- ATI RAGE Mobility 128 graphics controller with 8MB of video memory for displaying millions of colors on both the built-in screen and an external monitor
- Support for dual display and video mirroring modes on an external VGA monitor, video projector, or TV

Wired and wireless communications
- Support for AirPort wireless networking with built-in antenna and card slot[6]
- Built-in 10/100BASE-T Ethernet for access to high-speed networks, DSL modems, and cable modems
- Built-in 56K V.90 modem[7]

Take a high-performance PowerPC G4 processor, add a widescreen display, and enclose it all in a lightweight titanium case. Apple has just created the PowerBook G4—and redefined portable computing. If you need the utmost power for creative design, education, or business, the PowerBook G4 is ready to provide it wherever you go.

With an exterior made of titanium, one of the lightest and most durable metals on the planet, the PowerBook G4 is only 1 inch thin and weighs just 5.3 pounds.[1] Yet it offers a full complement of powerful features, including notebook firsts such as a slot-loading DVD-ROM drive and a stunning 15.2-inch display. With its widescreen format and 1152-by-768-pixel resolution, this display is ideal for viewing your graphics projects, tools, and palettes simultaneously or keeping multiple applications open. You can also use side-by-side browser windows and enjoy wide-format DVD movies. Built-in video output capabilities let you present on a VGA monitor, large-screen TV, or projection system.

At the heart of the system is a PowerPC G4 processor with Velocity Engine running at up to 500 megahertz, which delivers the same kind of parallel processing technology pioneered on multimillion-dollar supercomputers. Now you can benefit from superfast rendering and image manipulation to streamline your desktop video and graphics tasks. No wonder the PowerBook G4 outperforms Pentium III–based notebook computers by up to 30 percent.[2] To enhance application performance even further, you can install up to 1 gigabyte of SDRAM. And when you're on the go, the PowerBook G4 delivers industry-leading battery life of up to 5 hours between charges.[3]

The PowerBook G4 is your big-screen theater, portable movie studio, and music library, all in one. Watch DVD movies on the mega-wide screen. Make movies with the included iMovie software or add Apple's Final Cut Pro for more advanced video editing, compositing, and special effects. For music lovers, there's Apple iTunes software.[5] Import and manage your entire digital audio collection, listen to your favorite hits on your PowerBook, or even download them to your MP3 player.

You also get the communications options you need to stay connected wherever you go. The PowerBook G4 features built-in 10/100BASE-T Ethernet for quick access to a corporate network, DSL modem, or cable modem. When you're on the road, use the built-in 56K modem for dialup services.[7] Or give yourself the ultimate freedom to roam with an optional AirPort Card and AirPort Base Station. Now you can take your PowerBook from room to room and still download email, transfer files, and surf the web.[6]

PowerBook G4: A new breed of portable.

Technical Specifications

Processor and memory
- 400- or 500-MHz PowerPC G4 processor with Velocity Engine
- 1MB backside level 2 cache on processor module; 200- or 250-MHz dedicated 64-bit backside bus
- 100-MHz system bus
- Integrated floating-point unit and 64K on-chip level 1 cache (32K data and 32K instruction)
- 128MB or 256MB of PC100 SDRAM; two SO-DIMM slots support up to 1GB

Storage
- Internal 10GB, 20GB, or 30GB Ultra ATA/66 hard disk drive (30GB drive available in build-to-order computers)[4]
- Slot-loading DVD-ROM drive reads DVD-ROM, DVD-Video, DVD-RAM, and CD-ROM discs

Communications
- Built-in 10/100BASE-T Ethernet (RJ-45 connector)
- Built-in 56K V.90 modem (RJ-11 connector)[7]
- Optional 11-Mbps AirPort Card (IEEE 802.11 DSSS compliant)[6]
- Infrared technology port (4-Mbps IrDA)

Expansion
- One 400-Mbps FireWire (IEEE 1394) port[8]
- Two 12-Mbps USB ports
- One PC Card and CardBus slot
— Support for one Type I or Type II PC Card or CardBus card
— Support for a Zoom Video PC Card

Video and graphics support
- 8MB of SDRAM video memory supports millions of colors on external monitors up to 21 inches
- Built-in 2D/3D graphics acceleration through an integrated ATI RAGE Mobility 128 video controller with AGP 2X
- 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
— Supports millions of colors at 1152-by-768-pixel resolution
— Supports resolutions of 1152 by 768, 896 by 600, and 720 by 480 pixels at 3:2 aspect ratio
— Supports 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
- 50-watt-hour lithium-ion battery with integrated charge indicator LEDs provides up to 5 hours of battery life[3]
- 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

Apple trackpad
- Solid-state trackpad provides 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 (–47° 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 inches (2.6 cm)
- Width: 13.4 inches (34.1 cm)
- Depth: 9.5 inches (24.1 cm)
- Weight: 5.3 pounds (2.4 kg) with battery installed[1]

Available Configurations

Order no.	M7952LL/A	M7710LL/A
Processor	400-MHz PowerPC G4	500-MHz PowerPC G4
Backside level 2 cache	1MB	1MB
Memory (PC100 SDRAM)	128MB	256MB
Display	15.2-inch (diagonal) TFT	15.2-inch (diagonal) TFT
Video memory (SDRAM)	8MB	8MB
Video controller	ATI RAGE Mobility 128	ATI RAGE Mobility 128
Hard disk drive [4]	10GB Ultra ATA/66	20GB Ultra ATA/66
Optical drive	Slot-loading DVD-ROM with DVD-Video playback	Slot-loading DVD-ROM with DVD-Video playback
Ethernet	Built-in 10/100BASE-T	Built-in 10/100BASE-T
Modem [7]	56K V.90	56K V.90
Wireless networking [6]	AirPort ready	AirPort ready

All models include a built-in keyboard and trackpad; modem cable; power adapter; S-video to composite adapter; Mac OS 9.1 and Mac OS X; QuickTime; iMovie 2; iTunes; Apple File Synchronization; Apple Location Manager; third-party software (Microsoft Internet Explorer, Microsoft Outlook Express, Netscape Communicator, FAXstf, and Palm Desktop); Apple Hardware Test CD; complete setup, learning, and reference documentation; limited warranty; and 30 days of free Internet service through EarthLink.

Product contains electronic documentation. Backup copy of software provided on CD-ROM.

Build-to-Order Options

In addition to choosing from Apple's prebuilt systems, you can order a custom-configured PowerBook G4 from your authorized Apple reseller or the online Apple Store. This allows you to select the processor speed, amount of RAM, hard disk capacity, and a preinstalled AirPort Card for your new system. You can also order an additional lithium-ion battery or power adapter and third-party peripherals such as USB Zip and FireWire hard disk drives. For up-to-date information about options and availability, visit www.apple.com/store or call 800-MY-APPLE.

Other Options

Product	Order no.
PowerBook G4 Rechargeable Battery	M8244G/A
Apple Portable Power Adapter	M8457LL/A
AirPort Card	M7600LL/B
AirPort Base Station	M7601LL/B

[1] Weight varies by configuration and manufacturing process.

[2] Based on Adobe Photoshop tests comparing a 500-MHz PowerBook G4 to 850-MHz Pentium III–based portable computers.

[3] Battery life depends on configuration and use.

[4] For hard drive capacity measurements, 1GB = 1 billion bytes; actual formatted capacity less.

[5] iTunes is licensed for reproduction of noncopyrighted materials or materials the user is legally permitted to reproduce.

[6] Wireless Internet access requires AirPort Card, AirPort Base Station, and Internet access (fees may apply). Some ISPs are not currently compatible with AirPort, including America Online. Range may vary with site conditions.

[7] Actual modem speeds lower; speed depends on connection rate and other factors.

[8] Actual rates will vary.

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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 or call 800-823-2775.

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