



12-inch PowerBook G4

The 12-inch PowerBook G4 provides the most advanced and complete feature set of any ultracompact notebook.

Key Features

4.6 pounds. At just over an inch thick and a svelte 4.6 pounds,¹ the sleek aluminum design is so easy to carry, it will be your constant companion.

Video-out versatility. Support for DVI, ADC, VGA, S-video, and composite video lets you connect to your choice of flat-panel displays, monitors, projectors, and TVs.

Affordable DVD-burning studio. The slot-loading SuperDrive² lets you burn custom CDs and professional DVDs using the included iDVD, iMovie, iPhoto, and iTunes applications.

Leading digital connections. USB 2.0, FireWire 400, and Ethernet provide high-speed data connections to your peripherals and networks.

Advanced wireless. With built-in antennas, the 12-inch PowerBook is ready for an AirPort Extreme Card for superfast wireless networking.³ Integrated Bluetooth technology delivers cable-free connections to PDAs and mobile phones.

5-hour battery life. Up to 5 hours of battery life means you can be continuously productive on long plane trips, around campus, or at a client site.⁴

Technical Specifications

Processor and memory

- 1GHz PowerPC G4 processor with Velocity Engine
- 512K SRAM on-chip L2 cache
- 133MHz system bus
- 256MB of PC2100 (266MHz) DDR SDRAM; one open SO-DIMM slot; support for up to 1.25GB

Storage

- 40GB 4200-rpm Ultra ATA/100 hard drive⁵
- One of the following optical drives:
 - Slot-loading Combo drive (DVD-ROM/CD-RW): reads DVDs at up to 8x speed, writes CD-R discs at up to 24x speed, writes CD-RW discs at up to 10x speed, reads CDs at up to 24x speed
 - Slot-loading SuperDrive (DVD-R/CD-RW): writes DVD-R discs at up to 2x speed, reads DVDs at up to 8x speed, writes CD-R discs at up to 16x speed, writes CD-RW discs at up to 4x speed, reads CDs at up to 24x speed

Communications

- Built-in antennas and expansion slot for optional 54-Mbps AirPort Extreme wireless networking card³ (based on 802.11g standard; Wi-Fi Certified for 802.11g and 802.11b interoperability)
- Built-in Bluetooth
- Built-in 10/100BASE-T Ethernet (RJ-45 connector)
- Built-in 56K V.92 modem⁶ (RJ-11 connector)

Expansion

- One FireWire 400 port at up to 400 Mbps⁷
- Two USB 2.0 ports at up to 480 Mbps

Display

- 12.1-inch (diagonal) TFT XGA active-matrix display
 - Support for millions of colors at 1024-by-768-pixel resolution
 - Support for resolution scaling to 800-by-600-pixel and 640-by-480-pixel resolution with millions of colors

Video and graphics support

- NVIDIA GeForce FX Go5200 graphics processor with AGP 4X support and 32MB of DDR SDRAM for 2D/3D graphics acceleration
- Dual display and video mirroring: Simultaneously supports up to 1024 by 768 pixels on the built-in display and up to 2048 by 1536 pixels on an external display, both at millions of colors⁸

- DVI output using included mini-DVI to DVI adapter
- VGA output using included mini-DVI to VGA adapter
- S-video and composite video output using mini-DVI to video adapter (sold separately)

Audio

- Audio line in (minijack)
- Headphone out (minijack)
- Built-in stereo speakers with midrange-enhancing third speaker
- Internal omnidirectional microphone

Battery and power

- 47-watt-hour lithium-ion battery with integrated charge indicator LEDs
- Up to 5 hours of battery life⁴
- 45W power adapter with cable management system
- Power adapter port

Security

- Kensington cable lock slot

Keyboard and trackpad

- Built-in full-size keyboard with 78 (U.S.) or 79 (ISO) keys, including 12 function keys, 4 arrow keys (inverted "T" arrangement), and embedded numeric keypad
- Solid-state trackpad for precise cursor control; supports tap, double-tap, and drag capabilities

Electrical and environmental requirements

- Meets ENERGY STAR requirements
- Line voltage: 100V to 240V AC
- Frequency: 50Hz to 60Hz
- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: -13° to 140° F (-25° to 60° 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: 1.18 inches (3.0 cm)
- Width: 10.9 inches (27.7 cm)
- Depth: 8.6 inches (21.9 cm)
- Weight: 4.6 pounds (2.1 kg) with battery and optical drive installed¹

Configurations

Order number	M9007LL/A	M9008LL/A
Processor	1GHz PowerPC G4	1GHz PowerPC G4
Level 2 cache	512K	512K
Memory	256MB of PC2100 (266MHz) DDR SDRAM	256MB of PC2100 (266MHz) DDR SDRAM
Hard drive	40GB Ultra ATA/100 ⁵	40GB Ultra ATA/100 ⁵
Optical drive	Slot-loading Combo (DVD-ROM/CD-RW)	Slot-loading SuperDrive (DVD-R/CD-RW)
Display	12.1-inch (diagonal) TFT XGA	12.1-inch (diagonal) TFT XGA
Graphics support	NVIDIA GeForce FX Go5200 with 32MB of DDR SDRAM	NVIDIA GeForce FX Go5200 with 32MB of DDR SDRAM
Wireless support	Built-in Bluetooth; 54-Mbps AirPort Extreme ready ³	Built-in Bluetooth; 54-Mbps AirPort Extreme ready ³
Ethernet	10/100BASE-T	10/100BASE-T
Modem	56K V.92 ⁶	56K V.92 ⁶
Software	Mac OS X, Mail, iChat, Safari, Sherlock, Address Book, QuickTime, iLife (includes iTunes, iPhoto, iMovie, and iDVD ⁹), iSync, iCal, DVD Player, Classic environment, Acrobat Reader, Art Directors Toolkit, EarthLink TotalAccess 2003 (includes 30 days of free service), FAXstf, FileMaker Pro 6 Trial, GraphicConverter, Microsoft Office v. X Test Drive, OmniGraffle, OmniOutliner, QuickBooks for Mac New User Edition, Developer Tools, Apple Hardware Test	
Service and support	90 days of free telephone support and one-year limited warranty	
Also included	Mini-DVI to DVI adapter, mini-DVI to VGA adapter, modem cable, power adapter, AC wall plug, power cord	

Build-to-Order Options

You can order a custom-configured PowerBook G4 from the Apple Store or an Apple Authorized Reseller. Options include additional RAM, larger hard disk drive, AirPort Extreme Card, additional batteries and power adapters, Apple flat-panel displays, external keyboards and mice, and third-party peripherals.

Apple Displays

- Apple Studio Display (17-inch flat panel), M7649ZM/B (requires Apple DVI to ADC Adapter)
- Apple Cinema Display (20-inch flat panel), M8893ZM/A (requires Apple DVI to ADC Adapter)
- Apple Cinema HD Display (23-inch flat panel), M8537ZM/A (requires Apple DVI to ADC Adapter)
- Apple DVI to ADC Adapter, M8661
- Apple Mini-DVI to DVI Adapter, M9321G/A
- Apple Mini-DVI to VGA Adapter, M9320G/A
- Apple Mini-DVI to Video Adapter, M9319G/A

Other Products

- Apple Portable Power Adapter, M8943LL/A
- 12-inch PowerBook G4 Rechargeable Battery, M9324G/A
- AirPort Extreme Card, M8881LL/A
- AirPort Extreme Base Station, M8930LL/A and M8799LL/A
- .Mac, M9036Z/A
- AppleCare Protection Plan, M8853LL/A

Extended Service and Support

Purchase the AppleCare Protection Plan to extend your service and support to up to three full years. The plan provides support for your Mac, the Mac OS, and many Apple consumer applications, so just one phone call can help resolve most issues. You can also enroll one Apple display for coverage, provided that the PowerBook G4 and display are purchased together. For more information, visit www.apple.com/support/products or call 800-823-2775.

For More Information

For more information about this product or to purchase Apple products, visit the Apple Store online (www.apple.com or 800-MY-APPLE), an Apple Store near you, or an Apple Authorized Reseller.

Visit the Macintosh Products Guide at www.apple.com/guide for the latest information on thousands of hardware and software products for your Mac.

Internet access requires a compatible Internet service provider; fees may apply. Product contains electronic documentation. Backup copy of software is included. ¹Actual weight varies by configuration and manufacturing process. ²Available in selected models. ³Wireless Internet access requires AirPort Extreme Card, AirPort Base Station or AirPort Extreme Base Station, and Internet access (fees may apply). Achieving data rates up to 54 Mbps requires that all users have an AirPort Extreme Card and connect to an AirPort Extreme Base Station. Some ISPs are not currently compatible with AirPort and AirPort Extreme. Range may vary with site conditions. ⁴Battery life depends on configuration and use. ⁵1GB = 1 billion bytes; actual formatted capacity less. ⁶Compatible ISP and telephone services required. Your ISP may not support all V.92 features. Modem will function according to V.90 standards if V.92 services are not available. Actual modem speeds lower; speed depends on connection rate and other factors. ⁷Actual rates will vary. ⁸Some third-party DVI displays may not support all resolutions. ⁹iDVD requires Apple SuperDrive.

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