



Power Mac G4

Faster, more expansive, and more affordable than ever, the new Power Mac G4 is the ultimate system for any digital pro.

Key Features

Supercomputing performance. Process data at up to 21 gigaflops with dual 1.42GHz PowerPC G4 processors, dedicated L3 cache, and up to 2GB of DDR SDRAM memory.

Dual processor, Xserve-based architecture. Move data efficiently systemwide and accelerate application performance with this high-throughput system architecture.

Massive expansion. Add all the capabilities you need using the built-in PCI and DDR SDRAM slots, drive bays, FireWire and USB connections, and Gigabit Ethernet port.

Leading-edge graphics and displays. Process up to 2.6 gigapixels per second for compelling 3D design, visualization, and gaming. Attach a second Apple display for even more workspace.¹

FireWire 800. Connect high-performance peripherals at speeds up to 800 Mbps and cable lengths up to 100 meters.

Advanced wireless connectivity. Enjoy networking at up to 54 Mbps with the AirPort Extreme option² and wireless access to portable devices with the Bluetooth option.

Faster SuperDrive.³ Burn CDs and DVDs twice as fast as before. There's even space for a second optical drive.

Mac OS X. Drive your Power Mac G4 to its maximum potential with preemptive multitasking, symmetric multiprocessing, and Quartz Extreme.

Technical Specifications

Processing and memory

- 1GHz, dual 1.25GHz, or dual 1.42GHz PowerPC G4 processors
- Velocity Engine vector processing unit
- Full 128-bit internal memory data paths
- Powerful floating-point unit supporting single-cycle, double-precision calculations
- Data stream prefetching operations supporting four simultaneous 32-bit data streams
- 256K on-chip L2 cache running at processor speed
- Up to 2MB DDR SRAM L3 cache per processor with up to 4-Gbps throughput
- Up to 167MHz system bus supporting over 1.3-Gbps data throughput
- 256MB or 512MB of PC2100 (266MHz) or PC2700 (333MHz) DDR SDRAM main memory supporting up to 2.7-Gbps throughput
- Four DIMM slots supporting up to 2GB of DDR SDRAM using one of the following⁴:
 - 256MB DIMMs (64-bit-wide, 128- or 256-Mbit)
 - 512MB DIMMs (64-bit-wide, 256-Mbit)

Graphics and display support

- One of the following graphics cards installed in a dedicated AGP 4X graphics slot:
 - NVIDIA GeForce4 MX with 64MB of DDR SDRAM
 - ATI Radeon 9000 Pro with 64MB of DDR SDRAM
 - NVIDIA GeForce4 Titanium with 128MB of DDR SDRAM (build-to-order option)
 - ATI Radeon 9700 Pro with 128MB of DDR SDRAM (build-to-order option)
- Support for digital resolutions up to 1920 by 1200 pixels; analog resolutions up to 1600 by 1200 pixels
- ADC and DVI connectors; DVI to VGA adapter included
- Dual display support for extended desktop and video mirroring modes
- Support for up to two Apple displays¹

Storage and expansion

- Four 3.5-inch hard drive expansion bays
 - One 7200-rpm Ultra ATA/100 drive preinstalled in standard configurations: 60GB, 80GB, or 120GB⁵
 - Support for up to four internal ATA drives (two Ultra ATA/100 and two Ultra ATA/66)

- Support for up to four internal SCSI drives (requires third-party solution not offered by Apple)
- Support for a combination of internal ATA and SCSI drives (total of four)
- One of the following optical drives:
 - SuperDrive (DVD-R/CD-RW); writes DVD-R discs at 4x speed, reads DVDs at 8x speed, writes CD-R discs at 16x speed, writes CD-RW discs at 8x speed, reads CDs at 32x speed
 - Combo drive (DVD-ROM/CD-RW); reads DVDs at 12x speed, writes CD-R discs at 32x speed, writes CD-RW discs at 10x speed, reads CDs at 32x speed
 - Optional Combo drive in second optical drive bay
- Four open full-length 64-bit, 33MHz PCI slots
- One AGP 4X slot with graphics card installed

Communications

- 10/100/1000BASE-T Ethernet connector (RJ-45)
- Built-in antennas and expansion slot for optional 54-Mbps AirPort Extreme Card (based on IEEE 802.11g draft specification; 802.11b Wi-Fi certified)²
- Built-in 56K V.92 modem⁶
- Optional Bluetooth 1.1 module

Peripherals and audio

- One FireWire 800 port and two FireWire 400 ports (15W total power)
- Four USB ports (two on system, two on keyboard)
- Front headphone jack and speaker
- Stereo audio line in and line out minijacks
- Apple speaker minijack for connection to optional Apple Pro Speakers

Electrical and environmental requirements

- Meets ENERGY STAR requirements
- Line voltage: 100–125V AC or 200–240V AC
- Frequency: 50Hz to 60Hz, single phase
- Maximum current: 6.5A (low-voltage range) or 7.5A (high-voltage range)
- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: –40° to 116° F (–40° to 47° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 feet

Size and weight

- Height: 17.0 inches (43.2 cm)
- Width: 8.9 inches (22.7 cm)
- Depth: 18.4 inches (46.8 cm)
- Weight: 42 pounds (19.1 kg)⁷

Specification Sheet

Power Mac G4

Configurations

Order number	M8839LL/A	M8840LL/A	M8841LL/A
Processor	1GHz PowerPC G4	Dual 1.25GHz PowerPC G4	Dual 1.42GHz PowerPC G4
L3 cache	1MB DDR SRAM	1MB DDR SRAM per processor	2MB DDR SRAM per processor
System bus	133MHz	167MHz	167MHz
Main memory (2GB maximum ⁴)	256MB PC2100 (266MHz) DDR SDRAM	256MB PC2700 (333MHz) DDR SDRAM	512MB PC2700 (333MHz) DDR SDRAM
Hard drive	60GB Ultra ATA/100; 7200 rpm ⁵	80GB Ultra ATA/100; 7200 rpm ⁵	120GB Ultra ATA/100; 7200 rpm ⁵
Optical drive	Combo (DVD-ROM/CD-RW)	Combo (DVD-ROM/CD-RW)	SuperDrive (DVD-R/CD-RW)
Graphics support	NVIDIA GeForce4 MX with 64MB of DDR SDRAM	ATI Radeon 9000 Pro with 64MB of DDR SDRAM	ATI Radeon 9000 Pro with 64MB of DDR SDRAM
Expansion slots and bays	Four open full-length 64-bit, 33MHz PCI slots; AGP 4X slot with graphics card installed; four DIMM slots; four internal hard drive bays (one occupied); two optical drive bays (one occupied)		
Ports	One FireWire 800 port, two FireWire 400 ports, four USB ports, front headphone minijack and speaker, rear Apple speaker minijack, audio line in and audio line out minijacks, ADC and DVI connectors for dual display support		
Networking	Built-in 10/100/1000BASE-T Ethernet and 56K modem ⁶ ; AirPort Extreme ready ² ; Bluetooth ready		
Software	Mac OS X with Classic environment, QuickTime, iCal, iChat, iLife (includes iTunes, iPhoto, iMovie, and iDVD ⁸), DVD Player, iSync, Mac OS X Mail, Microsoft Internet Explorer, EarthLink, Acrobat Reader, Art Directors Toolkit, FAXstf, FileMaker Pro Trial, GraphicConverter, Microsoft Office v. X Test Drive, OmniGraffle, OmniOutliner, QuickBooks for Mac New User Edition, and Developer Tools		
Service and support	90 days of free telephone support and one-year limited warranty		
Also included	Apple Pro Keyboard, Apple Pro Mouse, USB keyboard extension cable, DVI to VGA adapter, modem cable		

Build-to-Order Options

Order a custom-configured computer from the Apple Store or an authorized Apple reseller. Build-to-order options can include the following.

- Memory (PC2100 or PC2700 DDR SDRAM): 256MB, 512MB, 1GB, 1.5GB, 2GB
- Hard drives: 60GB Ultra ATA/100 (7200 rpm), 80GB Ultra ATA/100 (7200 rpm), 120GB Ultra ATA/100 (7200 rpm), 180GB Ultra ATA/100 (7200 rpm)
- Optical drives: SuperDrive (DVD-R/CD-RW), Combo drive (DVD-ROM/CD-RW)
- Graphics: NVIDIA GeForce4 MX with 64MB DDR SDRAM, ATI Radeon 9000 Pro with 64MB DDR SDRAM, NVIDIA GeForce4 Titanium with 128MB DDR SDRAM, ATI Radeon 9700 Pro with 128MB DDR SDRAM
- Audio: Apple Pro Speakers, Apple iPod, Harman Kardon iSub and SoundSticks
- Wireless: AirPort Extreme Card, AirPort Extreme Base Station, built-in Bluetooth module
- Other: Mac OS X Server, Ultra SCSI PCI card, DVD-R Media Kit

Other Products

- Apple Studio Display (17-inch flat panel), order number M7649ZM/B
- Apple Cinema Display (20-inch flat panel), order number M8893ZM/A
- Apple Cinema HD Display (23-inch flat panel), order number M8537ZM/A
- Apple DVI to ADC Adapter, order number M8661LL/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 Power Mac 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 authorized Apple 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. ¹Second Apple flat-panel display requires Apple DVI to ADC Adapter, sold separately. ²Wireless Internet access requires AirPort Extreme Card, AirPort Extreme Base Station or AirPort Base Station, and Internet access (fees may apply). Some ISPs are not currently compatible with AirPort and AirPort Extreme. Range may vary with site conditions. Speeds up to 54 Mbps require AirPort Extreme Base Station. ³SuperDrive available in selected models. ⁴999MB maximum per application in the Mac OS X Classic environment. ⁵1GB = 1 billion bytes; actual formatted capacity less. ⁶Appropriate 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. ⁷Weight varies by configuration and manufacturing process. ⁸SuperDrive required for iDVD.

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