Supporting Every Grand Venture is a Solid Foundation
Start your next project on the ultimate creative platform. Each of the four Power Mac G5 models offers lightning-fast performance, built on G5 processors running at up to 2.5GHz. A 64-bit processor with two double-precision floating-point units, two integer units and support for symmetric multiprocessing, the G5 combines an optimized Velocity Engine with a superscalar, super-pipelined execution core that can execute more than 200 simultaneous in-flight instructions. This high-bandwidth core has over 12 discrete functional units that process massive amounts of instructions in parallel.

Designed for Future Thought
The PowerPC G5 offers a seamless transition to 64-bit performance: Current 32-bit code — such as Mac OS X, the Mac OS 9 Classic environment and existing applications — runs natively at processor speed. With no interruptions to your workflow. And no additional investment in software required to take advantage of 64-bit power, period. The PowerPC architecture was designed from the beginning to run both 32-bit and 64-bit application code. This enables the PowerPC G5 processor to run applications natively for an immediate performance boost.

Configurations

<table>
<thead>
<tr>
<th>Model</th>
<th>Single 1.8GHz SuperDrive</th>
<th>Dual 1.8GHz SuperDrive</th>
<th>Dual 2GHz SuperDrive</th>
<th>Dual 2.5GHz SuperDrive</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS Processor</td>
<td>Single 1.8GHz PowerPC G5</td>
<td>Dual 1.8GHz PowerPC G5</td>
<td>Dual 2GHz PowerPC G5</td>
<td>Dual 2.5GHz PowerPC G5</td>
</tr>
<tr>
<td>L2 Cache</td>
<td>512K per processor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frontside bus</td>
<td>600MHz</td>
<td>900MHz per processor</td>
<td>1GHz per processor</td>
<td>1.25GHz per processor</td>
</tr>
<tr>
<td>DDR SDRAM main memory</td>
<td>256MB PC3200 (400MHz) Supports up to 4GB</td>
<td>512MB PC3200 (400MHz) Supports up to 8GB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8X AGP Pro graphics</td>
<td>NVIDIA GeForce FX 5200 Ultra with 64MB DDR SDRAM, DVI and ADC ports</td>
<td></td>
<td>ATI RADEON 9600 XT with 128MB DDR SDRAM, DVI and ADC ports</td>
<td></td>
</tr>
<tr>
<td>Hard drive(1)</td>
<td>80GB Serial ATA; 7200 rpm</td>
<td>160GB Serial ATA; 7200 rpm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optical drive</td>
<td>SuperDrive (DVD-R/CD-RW)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCI slots</td>
<td>Three open full–length 33MHz, 64–bit PCI slots</td>
<td>Three open full–length PCI–X slots: one 133MHz, 64–bit slot and two 100MHz, 64–bit slots</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expansion</td>
<td>One FireWire 800 port, two FireWire 400 ports (one on front); three USB 2.0 ports (one on front), two USB 1.1 ports (on keyboard); AGP 8X Pro slot with graphics card installed</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Bays**  
Two internal hard drive bays (1 occupied); one optical drive bay (occupied)

**Networking**  
Built-in 10/100/1000BASE-T Ethernet and 56K V.92 modem (5)

**Wireless**  
AirPort Extreme ready (based on 802.11g specification; IEEE 802.11b Wi-Fi certified) (2); Bluetooth option

**Audio**  
Optical digital audio input, optical digital audio output, analog audio input, analog audio output, front headphone minijack and speaker

**System software**  
Mac OS X version 10.3 Panther

**Software**  
iLife (includes iTunes, iPhoto, iMovie, iDVD and GarageBand), Art Directors Toolkit, GraphicConverter, OmniGraffle, OmniOutliner, Zinio Reader, Mail, iChat AV, Safari, Sherlock, Address Book, QuickTime, iSync, iCal, DVD Player, Classic environment, Xcode Developer Tools

**Hardware accessories**  
Apple Keyboard, Apple Mouse, USB keyboard extension cable, DVI to VGA adapter, modem cable, AirPort antenna, Apple Wireless Keyboard and Mouse

**Limited warranty and service**  
Your Power Mac G5 comes with 90 days of free 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 Apple support or call 800-823-2775.

---

**Build-to-Order Options**  
Order a custom-configured computer from the online Apple Store or an authorised Apple reseller.

**Memory**  
(PCI3200 DDR SDRAM; installed in pairs): 256MB, 512MB, 1GB, 2GB, 4GB, 8GB

**Hard drives**  
(1)  
- 80GB Serial ATA  
- 160GB Serial ATA  
- 250GB Serial ATA  
- 2X 250GB Serial ATA

**Optical drives**  
SuperDrive (DVD-R/CD-RW), Combo drive (DVD-ROM/CD-RW)

**Graphics**  
NVIDIA GeForce FX 5200 Ultra with 64MB of DDR SDRAM, DVI and ADC ports
ATI Radeon 9600 XT with 128MB of DDR SDRAM, DVI and ADC ports
ATI Radeon 9800 XT with 256MB of DDR SDRAM, DVI and ADC ports (occupies AGP slot and adjacent PCI slot)
NVIDIA GeForce FX 6800 GT DDL with 256MB GDDR3 SDRAM, two dual-link DVI ports (occupies AGP slot and adjacent PCI slot)
NVIDIA GeForce FX 6800 Ultra DDL with 256MB GDDR3 SDRAM, two dual-link DVI ports (occupies AGP slot and adjacent PCI slot)

**Audio**  
Apple iPod

**External storage**  
Xserve RAID with Apple Fibre Channel PCI-X Card

**Wireless**  
AirPort Extreme Card M8881X/A  
AirPort Extreme Base Station M8930X/A  
AirPort Express Featuring AirTunes M9470X/A  
AirPort Extreme Base Station (with modem and antenna port) M8799X/A  
Internal Bluetooth module with antenna  
Apple Wireless Keyboard M9270LL/A  
Apple Wireless Mouse M9269Z/A

**Services**  
AppleCare Protection Plan M8850FE/A  
.Mac Subscription M9495Z/A

---

**Technical Specifications**

**Processing**
- Single 1.8GHz, dual 1.8 GHz, dual 2GHz or dual 2.5GHz 64-bit PowerPC G5 microprocessors  
- PowerPC processor architecture with 64-bit data paths and registers

**Graphics and displays**
- AGP 8X Pro graphics slot supporting up to 2 Gbps data throughput, with one of the following graphics cards installed:  
  - NVIDIA GeForce FX 5200 Ultra

**Communications**
- 10/100/1000BASE-T Ethernet (RJ-45)  
- Built-in 56K V.92 modem (RJ-11) (3)  
- Expansion slot for optional 54 Mbps AirPort Extreme Card (based on IEEE
Memory

- Support for the following DIMMs (in pairs):
  - 128MB DIMMs (64-bit–wide, 128– or 256-Mbit)
  - 256MB DIMMs (64-bit–wide, 128– or 256-Mbit)
  - 512MB DIMMs (64-bit–wide, 256–Mbit)
  - 1GB DIMMs (64-bit–wide, 256–Mbit)

- Native support for 32-bit application code
- 512K on-chip L2 cache running at processor speed
- Parallel data structure supporting up to 215 simultaneous in–flight instructions
- Simultaneous issue of up to 10 out–of–order operations
- Dual–pipeline Velocity Engine for 128-bit single–instruction, multiple–data (SIMD) processing
- Two independent double–precision floating–point units
- Advanced three–stage branch–prediction logic
- One 600MHz or two 900MHz, 1GHz or 1.25GHz 64–bit DDR frontsides providing up to 20 GBps data throughput

Size and weight

- Height: 51.1 cm (20.1 inches)
- Width: 20.6 cm (8.1 inches)
- Depth: 47.5 cm (18.7 inches)
- Weight: Single–processor configuration, 16.4 kg (36 pounds); dual–processor configuration, 20.2 kg (44.4 pounds)

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: 10° to 35° C (50° to 95° F)
- Storage temperature: −40° to 47° C (~−40° to 116° F)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 3,048m (10,000 feet)

PCI expansion

- Single and dual 1.8GHz systems:
  - Three open full–length 33MHz, 64–bit PCI slots
- Dual 2GHz and dual 2.5GHz systems:
  - One open full–length 133MHz, 64–bit PCI–X slot and two open full–length 100MHz, 64–bit PCI–X slots

- Optical drive bay with SuperDrive (DVD–R/CD–RW) installed; writes DVD–R discs at up to 8x speed, reads DVDs at up to 10x speed, writes CD–R discs at up to 24x speed, writes CD–RW discs at up to 10x speed, reads CDs at up to 32x speed

Storage

- Two 3.5-inch hard drive bays, each with a 150Mbps Serial ATA controller; with the following hard drive options:
  - 1 30GB 7200–rpm Serial ATA; 8MB memory buffer
  - 1 60GB 7200–rpm Serial ATA; 8MB memory buffer
  - 2 or 2 250GB 7200–rpm Serial ATA; 8MB memory buffer (build–to–order option)

- Built-in support for digital resolutions up to 1920 x 1200 pixels. The NVIDIA GeForce 6800 Ultra DDL or NVIDIA GeForce 6800 GT DDL graphics card is required to power the 2560 x 1600–pixel resolution of the 30–inch Apple Cinema HD Displays.
- Support for analog resolutions up to 1600 x 1200 pixels
- Dual display support for extended desktop and video mirroring modes
- Support for up to two Apple Cinema Displays

Peripherals and audio

- One FireWire 800 port and two FireWire 400 ports (on front panel, 15W total power)
- Three USB 2.0 ports (on front panel), two USB 1.1 ports on keyboard
- Front headphone minijack and speaker
- Optical digital audio input and output Toslink connectors
- Analog audio input and output minijacks

1. 1GB = 1 billion bytes; actual formatted capacity less.
3. Actual rates will vary.
4. Wireless Internet access requires AirPort Extreme Card, wireless access point 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 or AirPort Express Base Station. Some ISPs are not compatible with AirPort. Range may vary with site conditions.
5. Weight varies by configuration and manufacturing process.