Apple Service - Troubleshoot and Repair

Tech Info Library

TITLE

Power Mac G4: Technical Specifications

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TOPIC

This article comprises the technical specifications for the Power Mac G4. A description of the computer can be found in TIL article 58435: "**Power Mac G4: Description**".

Technical specifications for the Macintosh Server G4 can be found in article 58577: "**Macintosh Server G4: Technical Specifications**".

DISCUSSION

Technical Specifications

All configurations include the following features (unless noted).

Processor

- 350-, 400-, or 450-MHz PowerPC G4 processor
- Velocity Engine vector processing unit with 162 integrated Single Instruction Multiple Data (SIMD) instructions
- full 128-bit internal memory data paths
- powerful new floating-point unit supporting single-cycle, double-precision calculations
- data stream prefetching operations supporting four simultaneous 32-bit data streams
- 1MB backside level 2 cache running at half the processor speed
- 100-MHz system bus supporting up to 800-MBps data throughput

Memory

- 64MB, 128MB, or 256MB of PC100 SDRAM (3.3-volt, unbuffered, 64-bit-wide, 168-pin, running at 100 MHz)
- four DIMM slots support up to 1.5GB of PC100 SDRAM (999MB maximum per application) using the following DIMMs:
    - 32MB, 64MB, or 128MB DIMMs (64-bit-wide, 64-Mbit technology)
    - 128MB or 256MB DIMMs (64-bit-wide, 128-Mbit technology)
    - 512MB DIMMs (64-bit-wide, 256-Mbit technology)

Storage

- one of the following hard disk drives:
    - 10GB 5400-rpm Ultra ATA/33 hard disk
    - 20GB 7200-rpm Ultra ATA/66 hard disk
    - 27GB 7200-rpm Ultra ATA/66 hard disk
- one of the following optical drives:
    - 32x-speed (maximum) CD-ROM drive
    - DVD-ROM drive with DVD-Video playback
    - DVD-RAM drive with DVD-Video playback
- 100MB Zip drive (some configurations)
- three 3.5-inch hard disk drive expansion bays:
    - One ATA drive preinstalled in standard configurations
    - Support for up to two internal ATA drives
    - Support for up to three internal SCSI drives

Graphics support

- ATI RAGE 128, or ATI Rage 128 Pro graphics card with 16MB of SDRAM graphics memory installed in a dedicated graphics slot (either a 66-MHz PCI slot or a 133-MHz AGP 2X slot)
- support for up to 1,600 x 1,200-pixel resolution at 32 bits per pixel (millions of colors) and up to 85-Hz refresh rate
- 15-pin mini D-Sub VGA connector; Rage 128 Pro card adds a DVI connector for digital displays
- The maximum supported resolution is 1920 x 1080; 1920 x 1200 with Rage 128 Pro graphics card.

Keyboard and mouse

- Apple USB Keyboard with 2-meter cable and Apple USB Mouse

Electrical requirements and agency approvals

- line voltage: 115V AC (90V to 132V AC) or 230V AC (180V to 264V AC)
- frequency: 47 to 63 Hz, single phase
- maximum continuous power (not including display): 200W
- EPA ENERGY STAR and Blue Angel compliant (some configurations)

Environmental requirements

- operating temperature: 50to 95F (10to 35C)
- storage temperature: -40to 116F (-40to 47C)
- relative humidity: 5% to 95% noncondensing
- maximum altitude: 10,000 feet (3,048 m)

Size and weight

- height: 17.0 inches (43.2 cm)
- width: 8.9 inches (22.6 cm)
- depth: 18.4 inches (46.7 cm)
- weight: 30.0 pounds (13.6 kg)

EXTENDED Information - Apple Internal Use - Service Providers and Support Professional

Document Information
Product Area: Power Mac G4
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