Tech Info Library

Power Macintosh 8500/132 & 8500/150: Specifications (9/96)

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Security: Everyone

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TOPIC

This article contains the technical specifications of the Power Macintosh 8500/132 and 8500/150 series computers.

IMPORTANT: Another article in the Tech Info Library title, "Power Macintosh 8500/150 & 8500/180: Specifications" contains information about the latest 8500/150 configuration.

DISCUSSION

Upgradable microprocessor

- PowerPC 604 microprocessor running at 132 MHz or 150 MHz, upgradable to a higher-speed processor when available (up to 250 MHz)
- Integrated floating-point unit, 32K cache, and three integer units
- High-speed system bus (up to 50 MHz)

Memory

- 16 MB of RAM, expandable to 512 MB via 8 DIMM sockets
- 4 MB of ROM
- 256K level 2 cache

Disk drives

- Internal 1.2 GB or 2 GB high-performance SCSI hard disk
- Internal Apple SuperDrive floppy disk drive
  - Accepts high-density 1.4 MB disks and 800K disks
  - Reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks
- Internal quadruple-speed
- Expansion bay for additional 3.5-inch hard disk

Interfaces

- Three PCI expansion slots compatible with PCI 2.0–compliant cards
- Two high-speed DMA serial (RS-232/RS-422) ports compatible with LocalTalk and GeoPort cables
- 10BASE-T and AAUI-15 Ethernet connectors; optional PC Compatibility Cards provide multinode support for simultaneous network connections
- Internal Fast SCSI bus (up to 10 MB/s)
- External SCSI bus (up to 5 MB/s)
- Apple Desktop Bus (ADB) expansion port
- RCA phono jacks for line-level stereo audio input and output
- Mini jacks for stereo audio input and output
- All sound ports support 16-bit audio and up to 44.1-kHz sampling rate
- DB-15 connector for monitor
- Composite connectors (RCA phono jacks) for composite video input and output
- S-video input and output connectors
- Internal digital audio/video (DAV) connector for video compression/decompression cards

Video input/output subsystem

- 24-bit video input
  - Real-time video playthrough of up to 640x480 pixels with NTSC; 768x576 pixels with PAL and SECAM
  - Up to 320x240-pixel capture up to 25 frames per second with NTSC (with 2 GB drive)
  - Maximum capture size of 640x480 pixels with NTSC
- 24-bit video output
  - Support for NTSC and PAL
  - Convolution for flicker reduction at all bit depths

Graphics support

- 2 MB of VRAM, expandable to 4 MB
- Fast 64-bit data path to VRAM
- Support for display resolutions of up to 1,280x1,024 pixels
- 24-bit color up to 1,152x870-pixel resolution
- Refresh rate of up to 75 Hz

GeoPort telephony (Requires GeoPort Telecom Adapter)

- 14.4-Kbit/s modem support
- V.17 fax support
- GeoPort Fax and GeoPort Telephony software included
- Speakerphone and answering-machine capability

Clock/calendar

- Custom integrated circuit with long-life battery

Keyboard and mouse

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• Supports ADB keyboards with numeric keypads
• Comes with an ADB Mouse II

Electrical requirements and compliance
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• Line voltage: 100 to 240 V AC, RMS single phase, automatically configured
• Frequency: 50 to 60 Hz, single phase
• Power: 225 W maximum, not including display

ADB power requirements
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• Maximum current draw for all devices: 500 mA
(a maximum of three ADB devices is recommended)
• Mouse draws 10 mA
• Keyboard draws 25 to 80 mA (varies with keyboard used)

Size and weight
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• Height: 14 in. (35.6 cm)
• Width: 7.7 in. (19.6 cm)
• Depth: 15.75 in. (40.0 cm)
• Weight: 25 lb. (11.3 kg)

Environmental requirements
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• Operating temperature: 50° to 104° F (10° to 40° C)
• Storage temperature: –40° to 116° F (–40° to 47° C)
• Relative humidity: 5% to 95% noncondensing
• Maximum altitude: 10,000 ft. (3,048 m)

Article Change History:
19 Sep 1996 - Updated processor card support.
12 Jul 1996 - Added additional informatin.
19 Apr 1996 - Updated information

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