Power Macintosh 8500/150 & 8500/180: Specifications (12/96)

Article Created: 19 September 1996
Article Reviewed/Updated: 10 December 1996

TOPIC ---

This article contains the technical specifications for the Power Macintosh
8500/150 and 8500/180 series computers.

IMPORTANT: Another article in the Tech Info Library title, "Power Macintosh
8500/132 & 8500/150: Specifications" contains information about the previous
8500/150 configuration.

DISCUSSION --

Upgradable microprocessor
=========================
* 150-MHz PowerPC 604 or 180-MHz PowerPC 604e microprocessor, upgradable to a
higher-speed processor when available (up to 250 MHz)
* Integrated floating-point unit, 32K cache for 8500/150 and 64K cache for
8500/180, and three integer units
* High-speed system bus (up to 50 MHz)
* Upgradability (up to 250 MHz)

Memory
======
* 16 MB or 32 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 Fast SCSI hard disk
* Internal Apple SuperDrive floppy disk drive
-- Accepts high-density 1.4MB disks and 800K disks
-- Reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS
disks
* Internal 8x-speed CD-ROM drive
* 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 10MB/s)
* External SCSI bus (up to 5MB/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 640 by 480 pixels with NTSC; 768 by 576 pixels with PAL and SECAM
-- Up to 320- by 240-pixel capture at 25 frames per second with NTSC (with 2GB drive)
-- Maximum capture size of 640 by 480 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 1,280 by 1,024 pixels
* 24-bit color up to 1,152- by 870-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
==================
* Supports ADB keyboards with numeric keypads
* Comes with an ADB Mouse II

Electrical requirements

```
=========================
* Line voltage: 100 to 125/200 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
=========================
* 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
===============
* 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
==========================
* Operating temperature: 50 to 104 degrees F (10 to 40 degrees C)
* Storage temperature: -40 to 116 degrees F (-40 to 47degrees C)
* Relative humidity: 5% to 95% noncondensing
* Maximum altitude: 10,000 ft. (3,048 m)



Article Change History:
10 Dec 1996 - Corrected information about 150 MHz 604 processor.


Copyright 1996, Apple Computer, Inc.


Keywords:  kppc,specsht

==================================================================

This information is from the Apple Technical Information Library.

19961211 09:10:31.00
```

Tech Info Library Article Number: 20424