# Power Macintosh 8500/132

## SYSTEM

**Introduced:** April 1996
**Discontinued:** January 1997
**Gestalt ID:** 69
**Form Factor:** Quadra 800
**Weight (lbs.):** 25
**Dimensions (inches):** 14 H x 7.7 W x 15.75 D

**Codename:** Nitro
**Oder Number:** M4889LL/A
**KB Article #:** 19546

## POWER

**Max. Watts:** 225
**Amps:** 9.00
**BTU Per Hour:** 769.5
**Voltage Range:** 100-125/200-240
**Freq'y Range (Hz):** 50-60
**Battery Type:** 3.6V lithium
☒ **Soft Power**
☒ **Monitor Power Outlet**

## PORTS

**ADB:** 1
**Video:** DB-15
**Floppy:** none
**SCSI:** DB-25
**GeoPort Connectors:** 2
**Ethernet:** AAUI-15 &
**Microphone Port Type:** PlainTalk
☒ **Printer**   ☒ **Speaker**
☒ **Modem**   ☐ **Headphone**
☐ **Airport**   ☐ **Remote Control**

*Includes S-video and RCA ports for video in and out. Includes RCA ports for sound in and out.*

## VIDEO

**Built-in Display:** *none*

### Maximum Color Bit-depth[1] At:

| VRAM Speed: | VRAM Needed: | Video Configuration: | 512 x384 | 640 x400 | 640 x480 | 640 x870[2] | 800 x600 | 832 x624 | 1024 x768 | 1152 x870 | 1280 x1024 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 ns | 2x1MB | 2MB VRAM | 24 | n/a | 24 | 8 | 24 | 24 | 16 | 16 | 8 |
| | 4x1MB | 4MB VRAM | 24 | n/a | 24 | 8 | 24 | 24 | 24 | 24 | 16 |

[1] 1-bit = Black & White; 2-bit = 4 colors; 4-bit = 16 colors; 8-bit = 256 colors; 16-bit = Thousands; 24-bit = Millions
[2] The maximum color depth listed for 640x870 is 8-bit, reflecting the capabilities of the Apple 15" Portrait Display.

*Video mirroring requires 4MB of VRAM.*

## LOGIC BOARD

**Main Processor:** 604, 132 MHz
**PMMU:** integrated
**FPU:** integrated
**Data Path:** 64-bit, 44 MHz
**L1 Cache:** 32K
**L2 Cache:** 256K
**Secondary Processor:** opt. PC Compatbility Card
**Slots:** 3 PCI

## MEMORY

**Memory on Logic Board:** none
**Minimum RAM:** 16 MB
**Maximum RAM:** 512 MB
**RAM Slots:** 8   168-pin
**Minimum RAM Speed:** 70 ns
**RAM Sizes:** 8, 16, 32, 64 MB
**Install in Groups of:** 1

*128MB DIMMs can be used, but have not been tested.*

## SOFTWARE

☒ **Speech Recognition Supported**

**Addressing Modes:** 32-bit
**Original SSW:** 7.5.3
**Original Enabler:** none

**ROM ID:** $077D
**ROM Version:** $28
**ROM Size:** 4MB
**AppleTalk Version:** 60.1.0

**Supported Macintosh System Software:**

| | | | |
|---|---|---|---|
| ☐ A/UX 1.0 | ☐ NOS 1.11 | ☐ ProDOS | ☐ |
| ☐ A/UX 1.11 | ☐ NOS 1.3 | ☐ GS/OS | ☐ |
| ☐ A/UX 2.0 | ☐ NOS 2.0 | ☐ NeXTStep 1.x | ☐ |
| ☐ A/UX 3.0.1 | ☐ NOS 2.1 | ☐ NeXTStep 2.x | ☐ |
| ☐ A/UX 4.1.4 | ☐ LOS 7/7 | ☐ NeXTStep 3.x | ☐ |
| ☐ A/UX 4.1.4.1 | ☐ DOS 3.1 | ☐ OpenStep | ☐ |
| ☐ A/UX 4.1.5 | ☐ SOS 1.3 | ☐ <1.0 | ☐ |

## SOUND

**Microphone Port Type:** PlainTalk
**Sound In:** stereo, 16-bit
**Sound Out:** stereo, 16-bit
☐ **Built-in Microphone**

## STORAGE

☒ **Supports Internal CD-ROM**

**Floppy Size:** 1.44MB
**Floppy Inject:** manual
**Internal HD Size:** 1.2GB
**Internal HD Interface:** SCSI
**Original CD-ROM Speed:** 4x

## HISTORY

Introduced in August 1995, The 8500 brought 604 power and the PCI architecture to the mid-range, also boasting impressive AV features. The 8500 included a 120 Mhz 604 processor and 24-bit composite and S-video input and output. The processor of the 8500 shipped on a removable daughtercard. The 8500 came in a mini-tower case, sold for $4000, and was "speed bumped" to 132 and 150 Mhz in April 1996. It was speed bumped again to a 180 Mhz 604e processor in August, and was replaced in early 1997 by the 8600.