



System Fact Sheet

SYSTEM

Introduced: August 1995
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: M3104LL/A
KB Article #: 18068

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-depth¹ At:

VRAM Speed:	VRAM Needed:	Video Configuration:	512	640	640	640	800	832	1024	1152	1280
x384	x400	x480	x480	x870 ²	x600	x624	x768	x870	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.

LOGICBOARD

Main Processor: 604, 120 MHz
PMMU: integrated
FPU: integrated
Data Path: 64-bit, 40 MHz
L1 Cache: 32K
L2 Cache: 256K
Secondary Processor: opt. PC Compatibility 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: 7.5.2
Original Enabler: System Enabler 701 v1.2

ROM ID: \$077D
ROM Version: \$28
ROM Size: 4MB
AppleTalk Version: 60.0.6

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

Built-in Microphone

Microphone Port Type: PlainTalk
Sound In: stereo, 16-bit
Sound Out: stereo, 16-bit

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.