



System Fact Sheet

SYSTEM

Introduced: July 1993
Discontinued: July 1994
Gestalt ID: 78
Form Factor: Quadra 800
Weight (lbs.): 25.3
Dimensions (inches): 14 H x 7.7 W x 15.75 D

Codename: Quadra 1000, Cyclone
Order Number:
KB Article #: 12739

POWER

Max. Watts: 200
Amps: 9.00
BTU Per Hour: 684
Voltage Range: 100-240
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: 1
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.

VIDEO

Built-in Display: none

Maximum Color Bit-depth¹ At:

	512	640	640	640	800	832	1024	1152	1280
VRAM Speed:	x384	x400	x480	x870 ²	x600	x624	x768	x870	x1024
VRAM Needed:	24	24	16	8	16	16	8	8	n/a
Video Configuration:	24	24	24	8	24	24	16	16	n/a
80 ns									
built in									
4x256K									
1MB VRAM									
2MB VRAM									

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.

LOGIC BOARD

Main Processor: 68040, 40 MHz
PMMU: integrated
FPU: integrated
Data Path: 32-bit, 40 MHz
L1 Cache: 8K
L2 Cache: none

Secondary Processor: AT&T 3210 DSP, 66.67 MHz
Slots: 3 NuBus

MEMORY

Memory on Logic Board: none
Minimum RAM: 4 MB
Maximum RAM: 128 MB
RAM Slots: 4 72-pin
Minimum RAM Speed: 60 ns
RAM Sizes: 4, 8, 16, 32 MB
Install in Groups of: 1

SOFTWARE

Speech Recognition Supported

Addressing Modes: 32-bit
Original SSW: 7.1
Original Enabler: System Enabler 088 v1.0

ROM ID: \$077D
ROM Version: n/a
ROM Size: 2MB
AppleTalk Version: 57.0.5

Supported Macintosh System Software:

<input type="checkbox"/> A/UX 1.0	<input type="checkbox"/> NOS 1.11	<input type="checkbox"/> ProDOS	<input type="checkbox"/>
<input type="checkbox"/> A/UX 1.11	<input type="checkbox"/> NOS 1.3	<input type="checkbox"/> GS/OS	<input type="checkbox"/>
<input type="checkbox"/> A/UX 2.0	<input type="checkbox"/> NOS 2.0	<input type="checkbox"/> NeXTStep 1.x	<input type="checkbox"/>
<input type="checkbox"/> A/UX 3.0.1	<input type="checkbox"/> NOS 2.1	<input type="checkbox"/> NeXTStep 2.x	<input type="checkbox"/>
<input type="checkbox"/> A/UX 4.1.4	<input type="checkbox"/> LOS 7/7	<input type="checkbox"/> NeXTStep 3.x	<input type="checkbox"/>
<input type="checkbox"/> A/UX 4.1.4.1	<input type="checkbox"/> DOS 3.1	<input type="checkbox"/> OpenStep	<input type="checkbox"/>
<input type="checkbox"/> A/UX 4.1.5	<input type="checkbox"/> SOS 1.3	<input type="checkbox"/> <1.0	<input type="checkbox"/>

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: either
Internal HD Size: 230MB-1GB
Internal HD Interface: SCSI
Original CD-ROM Speed: 2x

HISTORY

The Quadra 840av was the first 68040 Mac to break the 33 MHz barrier. Based on the 40MHz 68040 processor, and housed in a Quadra 800-style case, the 840av included AV features similar to its younger sibling, the 660av. However, it's AT&T 3210 DSP ran at a faster 66 MHz. It also included one Geoport, and sold for \$3,550, which was inexpensive for what was, at the time, the fastest Mac ever.