Apple Spec Database

System Fact Sheet

Macintosh Quadra 610

SYSTEM

Introduced: October 1993
Discontinued: July 1994
Gestalt ID: 53
Form Factor: Centris 610
Weight (lbs.): 14
Dimensions (inches): 3.4 H x 16.3 W x 15.6 D

Codename: Speedbump 610
Oder Number:
KB Article #: 13694, 13696

POWER

Max. Watts: 210
Amps: 1.70
BTU Per Hour: 718.2
Voltage Range: 100-240
Freq'y Range (Hz): 47-63
Battery Type: 3.6V lithium
☐ **Soft Power**
☒ **Monitor Power Outlet**

PORTS

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

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
100 ns	built in	512K VRAM	16	n/a	8	4	8	8	4	4	n/a
	2x256K	1MB VRAM	16	n/a	16	8	16	16	8	8	n/a

[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, 25 MHz
PMMU: integrated
FPU: optional
Data Path: 32-bit, 25 MHz
L1 Cache: 8K
L2 Cache: none
Secondary Processor: opt. Intel 486SX-25
Slots: one 7" NuBus or PDS

Some units shipped with a 68LC040 processor (no FPU), and some shipped with a full 68040 processor.

MEMORY

Memory on Logic Board: 4 MB
Minimum RAM: 4 MB
Maximum RAM: 68 MB
RAM Slots: 2   72-pin
Minimum RAM Speed: 80 ns
RAM Sizes: 4, 8, 16, 32 MB
Install in Groups of: 1

SOFTWARE

☐ **Speech Recognition Supported**

Addressing Modes: 24-, 32-bit
Original SSW: 7.1
Original Enabler: System Enabler 040 v1.1

ROM ID: $067C
ROM Version: $23
ROM Size: 1MB
AppleTalk Version: 57.0.4

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: Omni
Sound In: mono, 8-bit
Sound Out: stereo, 8-bit
☐ **Built-in Microphone**

STORAGE

☒ **Supports Internal CD-ROM**

Floppy Size: 1.44MB
Floppy Inject: auto
Internal HD Size: 160-230MB
Internal HD Interface: SCSI
Original CD-ROM Speed: 2x

HISTORY

The Centris 610 was one of the first mid-range computers to include a 68040 processor and the first Mac to be housed in the now-familiar low-profile case. It was replaced in October 1993 with the Quadra 610, which had a 25 Mhz full 68040 processor, but was in all other ways the same. The Centris/Quadra 610 sold for $2,520.

Note: n/a = information not available or not applicable