Apple Spec Database
System Fact Sheet

Macintosh Centris 650

SYSTEM

Introduced: February 1993
Discontinued: October 1993
Gestalt ID: 30
Form Factor: IIvx
Weight (lbs.): 25
Dimensions (inches): 6 H x 13 W x 16.5 D

Codename: Speedbump 650
Oder Number: M1205LL/A
KB Article #:

POWER

Max. Watts: 230
Amps: 1.90
BTU Per Hour: 786.6
Voltage Range: 100-240
Freq'y Range (Hz): 50-60
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: opt. 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
80 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: none
Slots: 3 NuBus, 1 PDS

MEMORY

Memory on Logic Board: 4, 8 MB
Minimum RAM: 4 MB
Maximum RAM: 132, 136 M B
RAM Slots: 4   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 v1.0

ROM ID: $067C
ROM Version: n/a
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

Floppy Size: 1.44MB
Floppy Inject: auto
Internal HD Size: 80-500MB
Internal HD Interface: SCSI
Original CD-ROM Speed: 2x
☒ **Supports Internal CD-ROM**

HISTORY

The Centris 650 was a faster, more expandable version of the 610. It came in a IIvx-style case, and was powered by a 25 Mhz 68040 processor. In October 1993, the 650 was replaced with the Quadra 650, which had a 33 Mhz 68040 processor, but was in all other ways the same. The Centris/Quadra 650 sold for $2,700, and was discontinued in September of 1994.

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