Apple Spec Database

Macintosh Performa 640CD DOS Compatible

System Fact Sheet

SYSTEM

Introduced: May 1995
Discontinued: October 1995
Gestalt ID: 98
Form Factor: Quadra 630
Weight (lbs.): 19
Dimensions (inches): 4.3 H x 12.6 W x 16.5 D

Codename: Crusader, Show Biz,
Oder Number: M3939LL/A
KB Article #: 18170

POWER

Max. Watts: 45
Amps: 1.25
BTU Per Hour: 153.9
Voltage Range: 100-240
Freq'y Range (Hz): 50-60
Battery Type: 4.5V alkaline
☒ **Soft Power**
☐ **Monitor Power Outlet**

PORTS

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

PC game port also available.

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
60 ns	built in	1MB DRAM	16	n/a	16	n/a	8	8	n/a	n/a	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.

Video in not supported at 832x624.

LOGIC BOARD

Main Processor: 68LC040, 66 MHz
PMMU: integrated
FPU: none
Data Path: 32-bit, 33 MHz
L1 Cache: 8K
L2 Cache: none
Secondary Processor: 486DX2, 66 MHz
Slots: Comm., TV, video in

MEMORY

Memory on Logic Board: 4 MB
Minimum RAM: 8 MB
Maximum RAM: 52 MB
RAM Slots: 2   72-pin
Minimum RAM Speed: 80 ns
RAM Sizes: 1, 2, 4, 8, 16, 32 MB
Install in Groups of: 1

Second SIMM slot can accept only 1, 4, or 16MB SIMMs. DOS card can accept one 72-pin SIMM (Š 80 ns), up to 32MB in size -- comes with 4MB SIMM installed.

SOFTWARE

☐ **Speech Recognition Supported**

Addressing Modes: 32-bit
Original SSW: 7.5.1
Original Enabler: none

ROM ID: $067C
ROM Version: $32
ROM Size: 1MB
AppleTalk Version: 58.1.3

Includes Microsoft MS-DOS 6.22 and Windows 3.1.

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

Comes with Sound Blaster 16-compatible expansion card.

STORAGE

☒ **Supports Internal CD-ROM**

Floppy Size: 1.44MB
Floppy Inject: manual
Internal HD Size: 500MB
Internal HD Interface: IDE
Original CD-ROM Speed: 2x

HISTORY

The last of the Quadra line, the Quadra 630 was introduced in June 1994. The 630 was a hybrid of a Quadra and an LC in a sleek new case. It had an internal IDE hard drive (the 630 was the first Mac to use the IDE bus), and an optional CD-ROM drive. It sold for $1,200, and was also released as the LC 630, and the Performa 630, 630CD, 631CD, 635CD, 636, 636CD, 637CD, 638CD, and 640CD, each of which was bundled with different software, accessories, monitors, and hard drives (some Performas had a 68LC040, and several were also availavle with a 25 Mhz 486SX DOS card). The Quadra 630 was discontinued in August 1995.