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Power Macintosh 7200/75 & 7200/90: Specifications (9/96)

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TOPIC -----

This article contains a list of technical specifications for the Power Macintosh 7200/75 and 7200/90.

DISCUSSION -----

Microprocessor

- PowerPC 601 microprocessor running at 75 MHz (7200/75 model)
- PowerPC 601 microprocessor running at 90 MHz (7200/90 model)
- Integrated floating-point unit and 32K cache

Memory

- 8 MB of RAM, expandable to 256 MB via 4 DIMM sockets
(Note: There is no RAM soldered to the logic board. The DIMM sizes installed at the factory will vary according to availability; there will be either two 4 MB DIMMs or one 8 MB DIMM.)
- Level 2 (L2) Cache: L2 Cache Slot for Optional 256KL2 cache on a 160-pin DIMM. (These computers theoretically support 512K and 1 MB of L2 cache, but these configurations have not been tested and are not supported by Apple.)
- 4 MB of ROM
- 1 MB of Video RAM (VRAM) in both the Power Macintosh 7200/75 & 7200/90 models

Disk Drives

- Internal 500 MB SCSI hard disk
- Internal Apple SuperDrive floppy disk drive
 - Accepts high-density 1.4 MB disks and 800K disks
 - Reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks
- Internal AppleCD 600i quadruple-speed CD-ROM drive
- Expansion bay for additional 3.5-inch hard disk

Interfaces

- Three PCI expansion slots compatible with PCI 2.0-compliant cards

(Note: These slots are not NuBus-compatible)

- Two high-speed DMA serial (RS-232/RS-422) ports compatible with LocalTalk and GeoPort cables
- 10Base-T and AAUI-15 Ethernet connectors
- Internal and external SCSI bus (up to 5 MB/s)
- Apple Desktop Bus (ADB) expansion port
- Mini jacks for stereo audio input and output
 - 16-bit audio
 - Up to 44.1-kHz sampling rate
- DB-15 connector for monitor

Audio System

- Custom sound circuitry, including stereo generator (digital-to-analog converter, or DAC)—capable of driving stereo miniplug headphones or audio equipment—and stereo sampling hardware (analog-to-digital converter, or ADC) for recording stereo sound
- 16-bit stereo input and output
- Sample rates of 44.1 and 22.05 kilohertz (kHz)
- Input line level: 2 volts peak-to-peak nominal, into 6.5-Kilohm (k) impedance
- Output line level: 2.2 volts peak-to-peak nominal, into 1 k impedance
- Input through output SNR*: >74 decibels (dB) typical
- Bandwidth: 10 Hz-19 kHz (+/- 2 dB) at 44.100 kHz sample rate
- THD+N*: Less than 0.06%; measured 30 Hz-16 kHz with a 2-Vpp sine wave input

*SNR is signal-to-noise ratio; THD+N is total harmonic distortion plus noise.

Graphics Support

- VRAM-based accelerated graphics
- 1 MB of VRAM, expandable to 4 MB
- 64-bit data path to VRAM (with 2 MB of VRAM)
- Support for display resolutions of up to 1,280 by 1,024 pixels
- 24-bit color of up to 1,024- by 768-pixel resolution
- Refresh rate of up to 75 Hz

GeoPort Telephony*

- 14.4-Kbit/s modem support
 - V.17 fax support
 - GeoPort Fax and GeoPort Telephony software included
 - Speakerphone and answering-machine capability
- * Requires GeoPort Telecom Adapter

Clock/Calendar

- Custom integrated circuit with long-life battery

Keyboard And Mouse

- Supports ADB keyboards with numeric keypads
- Comes with an ADB Mouse II

Electrical Requirements And Compliance

- Line voltage: 100 to 240 V AC, RMS single phase
- Frequency: 50 to 60 Hz, single phase
- Power: 150 W maximum, not including display
- Energy Star compliant

ADB Power Requirements

- Maximum current draw for all devices: 500 mA
 (a maximum of three ADB devices is recommended)
- Mouse draws 10 mA
- Keyboard draws 25 to 80 mA (varies with keyboard used)

Size And Weight

- Height: 6.15 in. (15.6 cm)
- Width: 14.37 in. (36.5 cm)
- Depth: 16.93 in. (43.0 cm)
- Weight: 22 lb. (9.97 kg)

Operating Environment

- Operating temperature: 50 degrees to 104 degrees F
 (10 degrees to 40 degrees C)
- Storage temperature: -40 degrees to 116 degrees F
 (-40 degrees to 47 degrees C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

Article Change History:

10 Sep 1996 - Clarified cache information.
12 Jul 1996 - Modified title.
08 Feb 1996 - Added VRAM info for 7200/90.

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