Power Macintosh 7200/120: Technical Specifications (8/96)

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TOPIC ---

This article contains the techncial specifications for the Power Macintosh
7200/120 computer.

DISCUSSION --

Microprocessor
==============
* 120-MHz PowerPC 601 microprocessor
* Integrated floating-point unit and 32K cache

Memory
======
* 8 MB or 16 MB of RAM, expandable to 256 MB via 4 DIMM sockets
* 4 MB of ROM
* Optional 256K level 2 cache

Disk drives
===========
* Internal 1.2 GB SCSI hard disk
* Internal Apple SuperDrive floppy disk drive
  -- Accepts high-density 1.4MB disks and 800K disks
  -- Reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS
     disks
* Internal quadruple-speed or 8x-speed CD-ROM drive, depending on configuration
* Expansion bay for additional 3.5-inch hard disk or other SCSI device

Interfaces
==========
* Three PCI expansion slots compatible with PCI 2.0-compliant cards
* Two high-speed DMA serial (RS-232/RS-422) ports compatible with LocalTalk
  and GeoPort cables
* 10BASE-T and AAUI-15 Ethernet connectors; optional PC Compatibility Cards
  provide multinode support for simultaneous network connections
* Internal/external SCSI bus (up to 5MB/s)
* Apple Desktop Bus (ADB) expansion port
* Mini jacks for stereo audio input and output
  -- 16-bit audio

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   -- Up to 44.1-kHz sampling rate
* DB-15 connector for monitor


Graphics support
================
* VRAM-based accelerated graphics
* 1MB of VRAM, expandable to 4MB
* 64-bit data path to VRAM (with 2MB of VRAM)
* Support for display resolutions of up to 1,280x1,024 pixels
* 24-bit color up to 1,024x768 resolution
* Refresh rate of up to 75 Hz


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.


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
* EPA 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
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* 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)

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


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