



Tech Info Library

Pippin: Technical Specifications (9/95)

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Security: Everyone

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TOPIC -----

This article defines the technical specifications for the Apple Pippin.

DISCUSSION -----

Technical Details

Hardware

66MHz PowerPC 603 RISC Microprocessor

- Superscaler, 3 instructions per clock cycle,
- 8 kByte data and 8 kByte instruction caches
- IEEE standard Single & Double Precision Floating Point Unit

6 MB combined System & Video Memory, advanced architecture

4X CD-ROM drive

Aftermarket easy memory expansion cards

- 2, 4 and 8 MB increments

64 kbyte SRAM Store/Restore Backup

Video

- 8 bit and 16 bit video support
- Dual Frame Buffers for superior frame to frame animation
- Support for NTSC & PAL composite, S-Video and VGA (640x480) monitors
- Up to 16.7M colors

Audio

- Stereo 16 bit 44 kHz sampled output

- Stereo 16 bit 44 kHz sampled input

Telephony

- GeoPort ready

Controllers

- Supports up to 4 simultaneous players over Apple Desktop Bus, ADB
- Will support standard ADB keyboards and mice with connector adapters

Data I/O

- 1 standard Serial Communications port

Aftermarket Expansion

- "PCI like" expansion for adding floppy drive, hard disk drive, graphics accelerators, codecs, etc. (Not available at introduction!)

Software

Run time environment derived from MacOS

- Integrates QuickTime 2.0 and PPC native version of QuickDraw
- Reduced system memory footprint - (computer specific features removed)

Disk resident system stamped on CD with title

- System boots off CD
- Pippin system software upgrades released through CD-ROM stamping operations
- Developers free to choose from menu of system software upgrades

ROMs

- 68k emulator
- Macintosh Tool Box intact
- Localized bit mapped fonts
- Reduced Macintosh System ROM footprint

CD Formats Supported

- Standard audio CD
- other formats in market studies

For additional information on the Pippin, see "Pippin: Questions and Answers (Part 1 of 2)" and "Pippin: Questions and Answers (Part 2 of 2)."

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