Power Macintosh 7100/80: Description (1/95)

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TOPIC ---

The Power Macintosh 7100/80 is a performance Macintosh model incorporating the
PowerPC 601 RISC processor.

DISCUSSION --

Overview

The Power Macintosh 7100/80 and Power Macintosh 7100/80AV are the expandable,
mainstream members of the high-performance line of Macintosh computers that use
PowerPC chip technology. They're built with the speed, expandability, and
networking required for word processing, desktop publishing, complex
spreadsheets, and databases.

These computers run virtually all existing Macintosh applications. In addition,
they run the hundreds of applications accelerated for Power Macintosh computers
at two to six times the speed of previous Macintosh computers. And the 7100/80
and 7100/80AV can run up to 40 percent faster than the previous 7100 models.
Both computers can also run MS-DOS and Windows applications using SoftWindows
software.

Based on the 80-megahertz PowerPC 601 microprocessor codeveloped by Apple, IBM,
and Motorola, the Power Macintosh 7100/80 and 7100/80AV both have built-in,
floating-point math coprocessors. They provide built-in, high-speed Ethernet
networking as well.

Both computers support all Apple and most third-party displays, including
monochrome, color, VGA, and SVGA. Support for up to 32,000 colors on Apple color
displays (up to 16- or 17-inch) is included with the 7100/80. The 7100/80AV (and
the 7100/80 with the addition of 1 mega-byte of VRAM) supports display of more
than 16 million colors.

Both computers feature easy expandability via three NuBus slots, and you can run
two simultaneous displays with each.

The 7100/80 and 7100/80AV support GeoPort telecommunications, which allows you
to integrate computers with telephone services. Both also provide speech
recognition and text-to-speech capabilities. The 7100/80AV adds S-video and

composite video input as well as output for use with televisions, video cameras, and video recorders.

The Power Macintosh 7100/80 and Power Macintosh 7100/80AV are designed to meet your needs with high performance and expandability in a platform that's built for the future.

Power and Speed

• 80-MHz PowerPC 601 microprocessor with floating-point processor and 32K cache
• 256K level-2 cache

Memory

• 4 MB ROM
• 256 bytes of non-volatile parameter memory
• 8 MB or 16 MB of RAM standard, expandable to 136 MB
• 4 SIMM slots
• SIMMs can be 4 MB, 8 MB, 16 MB or 32 MB, but must be installed in pairs of the same size AND speed. For example, you should install two 8 MB SIMMs in first two adjoining slots.
• Possible RAM configurations are 8 MB, 24 MB, 40 MB, 72 MB, and 136 MB.
• 80ns SIMMs or faster

 RAM note: All 8MM RAM configurations come with 8MB of RAM soldered onto
 the logic board

Display

• 1MB of VRAM for optional second display, expandable to 2MB (7100/80 only)
• DRAM display support for second display
• 2MB of VRAM including NTSC or PAL monitors (7100/80AV only)
• Video input/output (7100/80AV only)

Audio System

• Custom sound circuitry, including stereo generator capable of driving stereo miniplug headphones or audio equipment. Also includes stereo sampling hardware for recording samples.

Expansion

• Nine built-in ports to support a wide range of peripherals (7100/80AV has eleven)
• Three NuBus slots for expansion cards
• Optional internal CD-ROM drive
• On-board Ethernet (AAUI)
• PlainTalk microphone

System software

System 7.5 software

- Makes working with applications consistent so they're easier to learn and use
- Allows easy customization of your Macintosh to fit the way you work
- Apple Guide provides active assistance in learning new features
- Lets you open and use MS-DOS and Windows documents

Networking

- Built-in AppleTalk networking
- File sharing without a dedicated server
- On-board Ethernet networking

Compatibility

- Runs Macintosh applications
- Runs MS-DOS and Windows applications (special configurations only)
- Reads Macintosh, Windows, MS-DOS, OS/2, and ProDOS floppy disk formats

What's in the box:

Each unit includes a power cord, keyboard cable, mouse, microphone, and system software.

System software includes System 7.5 for Power Macintosh, Color Macintosh Basics, AppleScript 1.1, QuickTime 2.0, and HyperCard Runtime 2.2.

System software shipped on a bootable CD-ROM, the "Install Me First CD" which can double as a rescue disk.#

Documentation included with the Power Macintosh 7100/80:
- Power Macintosh Getting Started
- Technical Information
- Macintosh Reference
- AppleCD 300i Plus User's Guide#

- CD-ROM and AppleCD 300i Plus User's Guide bundled with configurations
    which include an internal CD-ROM drive.

Configurations and Ordering Information:

Power Macintosh 7100/80*
Order No. M3642LL/A
Power Macintosh 7100/80 computer with 8MB of RAM, 1MB of VRAM, built-in 1.4MB Apple SuperDrive, and internal 500MB hard disk

Order No. M3643LL/A
With 8MB of RAM, 700MB hard disk, and internal CD-ROM drive

Power Macintosh 7100/80AV*
Order No. M3645LL/A
Power Macintosh 7100/80AV computer with 16MB of RAM, 2MB of VRAM, built-in 1.4MB Apple SuperDrive, internal 700MB hard disk drive, internal CD-ROM drive, and two

S-video to composite video adapters

Power Macintosh AV Card
Order No. M3447LL/A

Macintosh VRAM Expansion Kit
Order No. M5953LL/A
(Two kits required to add 1MB of VRAM)

Power Macintosh Display Adapter
Order No. M2681LL/A (For using 7100/80 built-in video support with non-AV
displays)

Power Macintosh GeoPort Telecom Adapter
Order No. M3127LL/A

Macintosh Memory Expansion Kits
(Must be installed in pairs by an authorized service provider)

Order No. M3651LL/A
4MB (1-4MB SIMM)

Order No. M3652LL/A
8MB (1-8MB SIMM)

Order No. M3372LL/A
16MB (1-16MB SIMM)

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