Power Macintosh 7100/80 and Power Macintosh 7100/80AV

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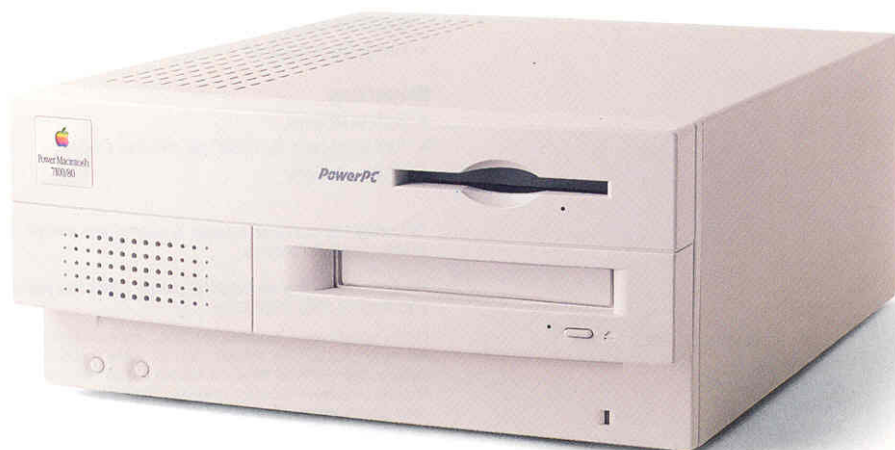
Based on the 80-megahertz PowerPC 601 microprocessor co-developed by Apple, IBM, and Motorola, the Power Macintosh 7100/80 and 7100/80AV both have built-in, floating-point math coprocessors. They provide built-in, high-speed Ethernet networking as well.

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 megabyte 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 Macintosh 7100/80 and
Power Macintosh 7100/80AV

Technical Specifications

Microprocessor
- PowerPC 601 RISC running at 80 MHz
- Integrated floating-point unit and 32K cache
- 256K level-2 cache

Memory
- Comes with 8MB or 16MB of RAM
- Can be expanded to up to 136MB of RAM (DRAM kits must be installed in pairs; dealer installation required)
- Uses 72-pin, noncomposite 80-nanosecond or faster DRAM SIMMs that must be installed in pairs

Disk drives
- One built-in Apple SuperDrive 1.4MB floppy disk drive that uses high-density floppy disks and reads, writes, and formats Macintosh, Windows, MS-DOS, OS/2, and ProDOS disks
- One internal hard disk (350MB, 500MB, and 700MB options available)
- Accommodates one 5.25-in., half-height device, such as the AppleCD 300i Plus CD-ROM drive

Displays
- All Apple displays
- Third-party displays including NTSC, PAL, VGA, and SVGA monitors

Video support
- 7100/80: 1MB of VRAM, expandable to 2MB
- 7100/80AV: 2MB of VRAM
- DRAM display support for optional second display

Interfaces
- Three internal NuBus expansion slots
- One Apple Desktop Bus (ADB) port for a keyboard, mouse, and other device
- AAUI-15 Ethernet connector
- High-density display port supporting Apple AudioVision monitors directly and other displays via the optional Power Macintosh Display Adapter
- Two DMA serial (RS-232/RS-422) ports compatible with LocalTalk and GeoPort cables
- High-speed asynchronous SCSI interface supporting up to six SCSI external devices
- 16-bit stereo sound input and output ports
- DB-15 video port for display
- 7100/80AV only: S-video input and output ports (RCA adapters included)
- 7100/80AV only: digital-audio video connector (DAV)
- Energy Star compliant

Networking
- Built-in Ethernet
- Two serial ports for LocalTalk, external modem, or other devices

Keyboard and mouse
- Supports ADB keyboards with numeric keypads
- Includes ADB Mouse II

Clock/calendar
- Custom integrated circuit with long-life lithium battery

Disability access
- Easy Access and visible beep included with system software. These built-in solutions and third-party options provide alternative input and output devices for people with disabilities.

Electrical requirements
- Line voltage: 100 to 240 volts AC, RMS single phase, automatically configured
- Frequency: 50 to 60 Hz, single phase
- Power: 325 W maximum, not including display

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

Size and weight
- Height: 6.0 in. (15.2 cm)
- Width: 13.0 in. (33.0 cm)
- Depth: 16.5 in. (41.9 cm)
- Weight: 25 lb. (11.3 kg) (varies based on internal devices installed)

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

Color depth support (maximum resolution)

Display resolution	7100/80 7100/80AV DRAM video	7100/80 1MB VRAM	7100/80* 7100/80AV 2MB VRAM
640 by 480	32,768 colors	32,768 colors	16.7 million colors
832 by 624	256 colors	32,768 colors	16.7 million colors
1,024 by 768	not supported	256 colors	32,768 colors
1,152 by 870	not supported	256 colors	32,768 colors

*With 1MB VRAM upgrade

All configurations include a mouse; system software version 7.5; complete setup, learning, and reference documentation; as well as a limited warranty.

Product specifications are subject to change. Check with your Apple reseller for the most current information about product specifications and configurations.