Performa 475 & 476: Specifications (8/95)

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TOPIC --

This article provides the technical specifications for the Macintosh
Performa 475 and Performa 476 computer systems. These two products differ
in three ways:
• Hard drive capacity
• Application software installed
• Where sold

DISCUSSION ---

Microprocessor

• 68LC040, 32-bit architecture, 25 mHz clock frequency
• CMOS custom clock/calendar with long-life lithium battery

Memory

4MB RAM, expandable to 36MB
512K VRAM for 256 colors, expandable to 1MB for 32,000 colors

Display

• Macintosh Performa Plus Display (14 inch)

  with 512K of VRAM:
  640 x 480 pixels with 1, 2, 4, or 8 bits per pixel
  (256 colors/grays)

  with 1MB of VRAM:
  640 by 480 pixels with 1, 2, 4, 8, or 16 bits per pixel
  (thousands of colors/256 grays)

Storage

• Built-in Apple SuperDrive 1.4MB high-density floppy disk drive, reads
  disks from Macintosh, Apple II, MS-DOS, and Windows systems
• Performa 475: internal 160MB SCSI hard disk drive
  Performa 476: internal 230MB SCSI hard disk drive

- Optional external SCSI hard disk drives (several capacities available)
- Optional external AppleCD CD-ROM drive

Modem

- TelePort/Bronze for Macintosh Performa
  (from Global Village Communication, Inc.)
- GlobalFax software (send-only fax) for 9600-baud faxing from any
  application to fax machines worldwide (upgradable to receive fax via
  software)
- Modem also serves as 300/1200/2400-baud data modem
- No separate power adapter required

Power Input

- Line voltage: 90 to 240 volts AC, RMS single-phase
- Frequency: 50 to 60 Hz
- Power: 30 watts maximum, not including display power

Interfaces

- One Apple Desktop Bus (ADB) port supports a keyboard, mouse, and other
  devices (up to three devices) daisy-chained through a low-speed, synchronous
  serial bus
- Two serial (RS-232/RS-422) ports, 230 kilobits per second maximum
  (up to 920 Kbits per second if clocked externally)
- SCSI interface for connecting up to six external devices
- Video port supports shadowmask, RGB, and monochrome displays of various sizes
  and resolutions
- Sound output port (stereo) for external audio amplifier or headphones
- Sound input port for monaural sound input*
  (monaural 8-bit sound, sampled at 22 or 11 kHz)
- Internal PDS expansion slot for one expansion card

*NOTE:
The Apple PlainTalk Microphone, which is sold as a standalone product, is
compatible with these systems. These products cannot use the older style
low-level output microphone used on previous Macintosh models.

Keyboard and Mouse

- Apple Desktop Bus (ADB) keyboard with numeric keypad and two-level tilt
  adjustment
- Apple ADB Mouse II

Apple Desktop Bus Power Requirements

- Maximum current draw for all ADB devices: 200 milliamperes (mA)
- Recommended maximum of three ADB devices
- Mouse draws 10 mA
- Standard keyboard draws 25 mA (third-party keyboards draw up to 80 mA)

Sound Generator

- Stereo 8-bit sound that can drive stereo headphones or other stereo equipment through the sound jack.

Software

- Macintosh System Software version 7.1P3, designed specifically for Performa computers.
- At Ease software lets adults share the computer with children -- while protecting valuable data.
- Macintosh PC Exchange lets you work with MS-DOS and Windows disks.
- Application software: a selection of productivity and communication tools already installed on the hard drive.
- Launcher software provides easy way to launch applications, and provides easy access to service and support information, user tips, etc.

Disability Access

- CloseView, Easy Access, and "visible beep" software are built in.
- Third-party options provide other alternative input and output devices

Size and Weight

- Main Unit
  Weight: 8.8 lb. (4.0 kg)
  Height: 3.2 inches (81 mm)
  Width: 12.2 inches (310 mm)
  Depth: 15.0 inches (382 mm)
- Mouse
  Weight: 4 oz. (0.10 kg)
  Height: 1.3 inches (33 mm)
  Width: 2.4 inches (61.7 mm)
  Depth: 4.2 inches (107.3 mm)
- Keyboard
  Weight: 2.2 lb. (1 kg)
  Height: 1.8 inches (44 mm)
  Width: 16.5 inches (418 mm)
  Depth: 5.6 inches (142 mm)

Environment

- Operating temperature: 10 to 40° C (50 to 104° F)
- Storage temperature: -40 to 47° C (-40 to 116.6° F)
- Relative humidity: 20% to 80% (noncondensing)
- Maximum altitude: 3048 m (10,000 ft.)

Service and Support

- One year limited warranty
- One year free in-home service
- Toll-free help line
- Support for non-Apple software is provided by the respective software publishers.

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Article Change History:
15 Aug 1995 - Included PlainTalk microphone information.
26 Jul 1994 - Expanded sound output information.
24 Feb 1994 - Corrected ADB amperage rating



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