Tech Info Library

Performa 430: Specifications (7/94)

```
Revised:        7/26/94
Security:       Everyone
```

Performa 430: Specifications (7/94)

===

Article Created: 12 April 1993
Article Reviewed/Updated: 26 July 1994

TOPIC ---

This article provides technical specifications for the Macintosh Performa
430 computer.

DISCUSSION --

Microprocessor

• MC68030, 32-bit architecture, 16 MHz clock speed
• CMOS custom clock/calendar with long-life lithium battery

Memory

• 4MB RAM on logic board, expandable to 10MB via two SIMM slots
• 512K Video RAM (VRAM) for 256 colors on the Apple Performa Display

Video Display

• Apple Performa Display standard:
  - 14-inch color display
  - 640 x 480 pixels
  - 0.39mm dot pitch
  - Meets international magnetic-field emissions guidelines
    (SWEDAC MPR2)

Storage

• One internal SuperDrive 1.4MB high-density floppy-disk drive, reads disks
  from Macintosh, Apple II, MS-DOS, and Windows systems
• One internal 120MB SCSI hard disk drive
• Optional external SCSI hard disk drive (many 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 automatically configured
• Frequency: 47 to 63 Hz single phase
• Power: 50 watts maximum, not including display power

```
Interfaces
----------
```
• One Apple Desktop Bus (ADB) port supports a keyboard, mouse, and other
  devices daisy-chained through a low-speed, synchronous serial bus
• Two serial (RS-232/RS-422) ports, 230 kilobits per second maximum
  (up to 0.920 megabits per second if clocked externally)
• SCSI interface for connecting up to six external devices
• Video port supports RGB and monochrome monitors of various sizes and
  resolutions
• Sound output port capable of delivering monophonic sound to both
  channels of a stereo device
• Sound input port for monaural sound input
  (monaural 8-bit sound, sampled at 22 or 11 kHz)
• Internal expansion slot for one processor-direct expansion card

```
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
• Keyboard draws 25 mA

```
Microphone
----------
```
• Hands-free omnidirectional electret microphone included

```
Sound Generator
---------------
```
Custom sound chip, including mono sampling generator capable of driving stereo
miniature phone jack headphones, or stereo equipment by sending the same output
into each channel.

Software

- Macintosh System Software version 7.1P, 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.

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: 3.0 inches (77 mm)
  Width: 12.2 inches (310 mm)
  Depth: 15.0 inches (382 mm)
- Mouse
  Weight: 6 oz. (0.17 kg)
  Height: 1.1 inches (27.9 mm)
  Width: 2.1 inches (53.3 mm)
  Depth: 3.8 inches (96.5 mm)
- Keyboard
  Weight: 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.

Article Change History:
26 Jul 1994 - Expanded information on sound generation.

Support Information Services

Tech Info Library Article Number:11950