



Macintosh IIvx



Whether you're working on a Macintosh™ personal computer today and want more speed and a larger, colour display or considering your first Macintosh personal computer and looking for plenty of future expansion, Apple Computer has good news for you: the Macintosh IIvx, the new, fast, flexible personal computer from Apple.

To boost system speed to seven times that of the Macintosh Classic™, the Macintosh IIvx combines 32 megahertz processing power with a maths coprocessor and 32 kilobyte cache. It also comes with a minimum of 4 megabytes of memory — expandable to 68 megabytes — and an accelerator slot so you can increase performance later on.

The Macintosh IIvx also delivers dazzling colour. It has built-in 256 colour support for the Macintosh Colour Display and can easily be upgraded to deliver 32,000 colours. If that's not enough for the work you

do, you can upgrade the Macintosh IIvx to display photorealistic images in up to 16.7 million colours by plugging an appropriate card into one of three NuBus™ expansion slots. You also can use the slots to work with large screen monitors.

The enhanced storage capability of the Macintosh IIvx supports up to three internal storage devices. Thus it's an ideal system for working with the wealth of information stored on CD-ROM discs, high capacity SyQuest™ drives and other hard disk drives — without losing valuable desk space.

And when you purchase a Macintosh IIvx that's configured with the AppleCD™ 300i internal CD-ROM drive you not only get one of the fastest drives available, you also get an upgraded system with 5 megabytes of memory, 32,000 colour capability, software for the new Photo CD™ from Kodak™ and a selection of CD-ROM titles.

Macintosh IIvx Features

Power and speed

- 32 MHz 68030 microprocessor
- 32 MHz 68882 maths coprocessor
- 32K cache

Memory

- 4 megabytes of RAM, expandable to 68 megabytes

Expansion

- Room for three internal storage devices, including the AppleCD 300i internal CD-ROM drive
- Three NuBus expansion slots
- One accelerator slot

Display

- Built-in support for Apple™ monitors
- 256 colours, expandable to 32,000

Features Built Into Every Macintosh

Usability

- Runs thousands of Macintosh software programs
- Easy to set up, learn and use

System software

- System 7.1 with multitasking, file sharing, Balloon Help™ and TrueType™ fonts

Networking

- Built-in AppleTalk™ networking
- File sharing without a dedicated server

Compatibility

- Macintosh, MS-DOS®, OS/2™ and ProDOS™ floppy disk formats



Macintosh IIvx

Technical Specifications

Microprocessor

- 68030, running at 32 MHz
- 68882 maths coprocessor, running at 32 MHz
- Integral Paged Memory Management Unit (PMMU)

Cache

- 32K cache

Memory (DRAM)

- Comes with 4 megabytes of RAM standard
- Expands to up to 68 megabytes of RAM by installing four 16 megabyte SIMMs in the expansion bank
- Includes RAM disk software

Disk storage

- 1.44 megabyte internal Apple SuperDrive™
- Support for one 3.5 in. hard disk drive
- Support for one 5.25 in. half-height device, such as the AppleCD 300i internal CD-ROM drive

AppleCD 300i configuration

- Operates at twice the speed of ordinary CD-ROM drives
- Data streaming rate, double speed (2X)
 - Mode 1: 300 kilobytes/sec
 - Mode 2: 342 kilobytes/sec
- Automatic lens cleaning and double front-loading door for dust protection
- Auto-inject caddy loading
- Support for multi-session Kodak Photo CD format
- Support for bootable CDs
- 5 megabytes RAM
- 1 megabyte video RAM

Video display

- Supports Apple monochrome and colour monitors including:
 - Macintosh 12" Monochrome Display
 - Macintosh 12" RGB Display
 - AppleColor™ High-Resolution RGB Monitor
 - Macintosh Colour Display
- Supports some VGA monitors

Video RAM (VRAM)

- 512K minimum supports 256 colours on Apple colour video displays listed above
- Expandable to 1 megabyte for support of 32,000 colours on the same displays

Interfaces

- Three internal NuBus expansion slots
- One accelerator slot
- SCSI bus interface
- Video port to support RGB and monochrome monitors of various sizes and resolutions
- One sound-output port for stereo playback from CDs and mono playback of Macintosh sounds
- One sound-input port
- Two serial (RS-232/RS-422) ports, 230.4 Kbit/sec maximum (up to 0.920 Mbit/sec if clocked externally)
- Two Apple Desktop Bus™ (ADB) ports, supporting a keyboard, mouse and other devices daisy chained through a synchronous serial bus

Keyboard

- Supports all Apple Desktop Bus keyboards

Mouse

- Apple Desktop Bus Mouse; mechanical tracking, optical shaft or contact encoding

Sound generator

- Custom Sound Chip drives stereo miniature headphone jack

Clock/calendar

- Custom chip with long life lithium battery

Microphone

- Electret, omnidirectional; output voltage is 4 mV, peak to peak, at normal volume

Disability access

- CloseView, Easy Access and visible beep are included with system software. These built-in features and third-party options provide alternative input and output tools for people with disabilities.

Electrical requirements

- Line voltage: 100 to 240 V AC, RMS automatically configured
- Frequency: 50 to 60 Hz, single phase
- Power: 112 W maximum not including monitor power

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 depending on the keyboard model used

Operating environment

- Operating temperature:
 - 10° C to 40° C (50° F to 104° F)
- Storage temperature:
 - -40° C to 47° C (-40° F to 116.6° F)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 ft. (3,048 m)

Size and weight

Main unit:

- Height: 6.0 in. (15.2 cm)
- Width: 13.0 in. (33.0 cm)
- Depth: 16.5 in. (41.9 cm)
- Weight*: 25 lbs. (11.3 kg)

Mouse:

- Height: 1.1 in. (2.8 cm)
- Width: 2.1 in. (5.3 cm)
- Depth: 3.8 in. (9.7 cm)
- Weight: 6 oz. (170 g)

* Weight will vary based on internal devices installed

Ordering Information

When you place an order you will receive the following items:

Macintosh IIvx 4/80

- Macintosh IIvx personal computer with 4 megabytes of RAM, 512K video RAM for 256 colour capability, 80 megabyte internal hard disk drive and 1.44 megabyte internal Apple SuperDrive
- Mouse and microphone
- System software
- Complete setup, learning and reference documentation
- Limited warranty statement

Macintosh IIvx 4/230

- Macintosh IIvx personal computer with 4 megabytes of RAM, 512K video RAM for 256 colour capability, 230 megabyte internal hard disk drive and 1.4 MB internal Apple SuperDrive
- All software and accessories provided with the Macintosh IIvx 4/80

Macintosh IIvx 5/80CD

- Macintosh IIvx personal computer with 5 megabytes of RAM, 1 megabyte of video RAM for 32,000 colour capability, 80 megabyte internal hard disk drive, AppleCD 300i CD-ROM drive and 1.44 megabyte internal Apple SuperDrive
- All software and accessories provided with the Macintosh IIvx 4/80

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