eMac in Education

Benefits

Simply sophisticated design
- 17-inch (16-inch viewable) flat CRT display makes eMac easier on the eyes with a larger viewing area, reduced glare, and higher resolution.
- Compact, all-in-one design maximizes classroom space.

G4-powered digital media
- PowerPC G4 processor with Velocity Engine makes working with digital media faster and easier and tackles all of your high-performance computing needs.
- iPhoto software makes importing, organizing, editing, and sharing photos a snap.
- Award-winning iMovie software enables you and your students to create professional-looking digital movies in minutes.
- Systems equipped with the Combo drive (DVD-ROM/CD-RW) let you view DVDs and store, archive, and share digital media projects on CDs.

Mac OS X reliability and productivity
- Apple's most powerful and advanced operating system continues to be friendly and easy to use.
- Unprecedented performance and reliability save time and money.
- Mac OS X works with most of your existing peripherals. You can even use your Mac OS 9 applications in Classic mode.[1]
- You can take advantage of thousands of applications built for Mac OS X.
- eMac is available with Mac OS X or Mac OS 9 as the startup operating system.

Meet the all-in-one-computer designed specifically for education that advances learning—without compromising price. With a smart new design and power to spare, eMac graduates desktop computing to the next level.

Ideal for the classroom, lab, or office, the eMac comes with everything you and your students love about the original iMac—and more. In addition to legendary point-and-click simplicity and space-saving design, eMac features a sleek 17-inch (16-inch viewable) flat CRT display. Now those who prefer the ruggedness of a CRT have a choice in screen size. A treat for the eyes, the eMac flat screen reduces glare. Its larger viewing area and higher resolution let you see more of spreadsheets and web pages, and help make every task easier.

But eMac offers more than a larger screen and new design. Driven by the PowerPC G4 processor with Velocity Engine, it provides supercomputer performance so faculty and students can do more, faster. Get the most out of creating inspired course projects with digital media, analyzing statistical models, collaborating with students and peers via email and file sharing, and researching on the Internet. The PowerPC G4 is ready to handle even your most complex computing requirements—and eMac is the most affordable of Apple's G4 systems.

With eMac, students will find it easy to express themselves through digital media. Using iPhoto, students are importing, organizing, editing, and sharing digital photos of their course projects within moments. With a FireWire-equipped DV camcorder and iMovie software, they can capture digital video footage and quickly create high-quality video reports, virtual tours, and class presentations. And thanks to video mirroring, you and your students can deliver presentations using most current VGA projectors. Choose an eMac with a Combo drive (DVD-ROM/CD-RW) to view DVDs and store, archive, and share projects on CDs.

What's more, eMac starts up either in Mac OS 9 or in Mac OS X, Apple's most powerful yet easy-to-use operating system. Mac OS X, the first modern operating system designed for the 21st century, fits perfectly into education environments. Based on UNIX for top performance and reliability, it works with your existing network and peripherals. Today you can find thousands of applications built for Mac OS X to take full advantage of its power and versatility, including Microsoft Office for Mac OS X. And because Mac OS X runs Mac OS 9 applications in Classic mode, you can keep enjoying your current software.[1]

The easiest way onto the Internet with built-in 10/100BASE-T Ethernet, eMac is also ready for AirPort wireless networking.[2] AirPort gives schools an affordable way to provide Internet and network access to more students and teachers. Ending the need to physically connect every computer, it makes networking eMac systems in the classroom or computer lab a cinch.

eMac. More powerful. More sophisticated. An even better value. And built with education in mind.

Technical Specifications

Processor and memory

- 700MHz PowerPC G4 processor with Velocity Engine
- 256K on-chip level 2 cache at full processor speed
- 100MHz system bus
- 128MB of PC100 SDRAM; two DIMM slots support up to 1GB using 128MB, 256MB, or 512MB DIMMs

Storage

- 40GB Ultra ATA hard disk drive[3]
- One of the following optical drives:
— 32x-speed (maximum) CD-ROM drive
— Combo drive (DVD-ROM/CD-RW); reads DVDs at 8x speed, writes CD-R discs at 12x speed, writes CD-RW discs at 8x speed, reads CDs at 32x speed
- Support for external FireWire and USB storage devices

Display

- Built-in 17-inch flat CRT (16-inch diagonal viewable image size); 0.25-mm dot pitch
- Onscreen geometry adjustment to keep display images properly aligned throughout the computer's lifetime

Graphics support

- Five screen resolutions: 640 by 480 pixels at 138Hz, 800 by 600 pixels at 112Hz, 1024 by 768 pixels at 89Hz, 1152 by 864 pixels at 80Hz, and 1280 by 960 pixels at 72Hz
- NVIDIA GeForce2 MX graphics processor with AGP 2X support
- 32MB of dedicated Double Data Rate (DDR) SDRAM video memory

Communications

- Built-in 10/100BASE-T Ethernet (RJ-45 connector)
- Built-in antennas and card slot for optional 11-Mbps AirPort Card; IEEE 802.11b compliant[2]
- Built-in 56K V.90 modem (RJ-11 connector) in system with Combo drive[4]

Peripheral connections

- Two 400-Mbps FireWire (IEEE 1394) ports[5]; 8 watts shared
- Total of five USB 1.1 ports: three on computer (shared on two 12-Mbps controllers); two on keyboard

Audio

- Integrated high-performance digital audio system
- Internal 16-watt digital amplifier
- Built-in microphone for speech recognition and audio recording
- Mini headphone jack (headphones not included)
- Analog audio input minijack; up to 16-bit stereo and 44.1kHz sampling rate
- Support for external USB audio devices

Video

- Mini-VGA output port (requires VGA display adapter)
- Support for video mirroring: external devices display an image identical to that shown on the built-in display

Keyboard and mouse

- Apple Pro Keyboard with full-size function and navigation keys, audio controls, and media-eject key
- Apple Pro Mouse with optical sensor for precise cursor control

Electrical requirements and agency approvals

- Line voltage: configured for 110V AC or 220V AC depending on country of use
- Frequency: 47Hz to 63Hz, single phase
- Maximum continuous power: 170W
- Meets ENERGY STAR and TCO 95 requirements

Environmental requirements

- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: –40° to 116° F (–40° to 47° C)
- Relative humidity: 5% to 95% noncondensing
- Maximum altitude: 10,000 feet

Size and weight

- Height: 15.8 inches (40.6 cm)
- Width: 15.8 inches (40.6 cm)
- Depth: 17.1 inches (43.3 cm)
- Weight: 50 pounds (22.7 kg)[6]

Service and Support

Your eMac comes with 90 days of telephone support and a one-year limited warranty. Purchase the AppleCare Protection Plan to extend your service and support to three full years. Only the AppleCare Protection Plan provides you with direct telephone support from Apple technical experts and the assurance that repairs will be handled by Apple-certified technicians using genuine Apple parts. For more information, visit www.apple.com/support/products or call 800-823-2775.

Apple Financial Services enables schools to finance software, training, and support, as well as hardware. Visit www.apple.com/financing or call 800-277-5356.

Apple Professional Services offers schools and universities installation, upgrade, and assessment services that ensure that your Macintosh systems, software, and networks are well integrated into your educational environment and configured for optimal use. For more information about these and other Apple Professional Services offerings, visit www.apple.com/services, call 800-848-6398, or email services@apple.com.

For More Information

For more information about this and other Apple education products, visit www.apple.com/education on the World Wide Web or call 800-800-2775. To purchase products from the Apple Store for Education, go to www.apple.com/education/store.

Visit the Macintosh Products Guide at www.apple.com/guide for the latest information on more than 18,000 hardware and software products for your new computer.

Apple offers iTools, a suite of Internet services that uses the power of the Internet to help you get the most out of your Mac. Visit www.apple.com/education/itools to sign up.

Configurations

Mac OS X startup	M8655LL/A	M8578LL/A
Mac OS 9 startup	M8655LL/B	M8578LL/B
Processor	700MHz PowerPC G4	700MHz PowerPC G4
Memory (PC100 SDRAM)	128MB	128MB
Hard disk drive[3]	40GB Ultra ATA	40GB Ultra ATA
Optical drive	CD-ROM	Combo (DVD-ROM/CD-RW)
Graphics support	NVIDIA GeForce2 MX with 32MB of DDR SDRAM	NVIDIA GeForce2 MX with 32MB of DDR SDRAM
FireWire	Two ports	Two ports
USB	Five ports	Five ports
VGA video mirroring	Yes	Yes
Modem[4]	No	56K
Ethernet	10/100BASE-T	10/100BASE-T
Wireless networking[2]	AirPort ready	AirPort ready

All models include Apple Pro Keyboard; Apple Pro Mouse; Mac OS X v10.1, Mac OS 9.2, QuickTime, iMovie 2, iPhoto, iTunes 2, AppleWorks, Mac OS X Mail, Microsoft Internet Explorer, EarthLink, AOL, World Book Mac OS X Edition, PCalc, Acrobat Reader, and FAXstf; Apple Hardware Test CD; complete setup, learning, and reference documentation; limited warranty; and 30 days of free Internet service through EarthLink.

Internet access requires an Internet service account; fees may apply. Product contains electronic documentation. Backup copy of software is provided on CD-ROM.

Build-to-Order Options

In addition to choosing from Apple's preconfigured systems, you can order an eMac with factory-installed options such as additional RAM and AirPort wireless networking from your authorized Apple reseller or the online Apple Store. For up-to-date information, visit www.apple.com/education/store or call 800-800-APPL.

Other Options

Product	Order no.
eMac Tilt and Swivel Stand	M8784G/A
AirPort Card	M7600LL/D
AirPort Base Station	M8209LL/A
Apple VGA Display Adapter	M8639G/A
Apple FireWire Cable (4-pin to 6-pin)	M8494G/A
Belkin Headphone Y Cable	T4187LL/A
Kensington Security System	T4334LL/A
AppleCare Protection Plan	M7812LL/B

1 Check the Classic-compatible software list at guide.apple.com/macosx to determine whether you can run your current applications on eMac.

2 Wireless Internet access requires AirPort Card, AirPort Base Station, and Internet access (fees may apply). Some ISPs are not currently compatible with AirPort. Range may vary with site conditions.

3 1GB = 1 billion bytes; actual formatted capacity less.

4 Actual modem speeds lower; speed depends on connection rate and other factors.

5 Actual rates will vary.

6 Weight varies by configuration and manufacturing process.