



# Mac OS X

The world's most advanced operating system.



## Key Features

### Aqua user interface

- Simple and elegant design
- Easy to use and intuitive for new users, with powerful features for professionals
- Innovative organizational features such as the new Dock and Finder
- Fully customizable to the way you work

### Unprecedented stability and performance

- UNIX-based core operating system provides industrial-strength foundation
- Protected memory and advanced memory management increase system stability
- Preemptive multitasking boosts system performance and responsiveness
- Symmetric multiprocessing takes advantage of dual processor systems
- Modern, standards-based networking provides seamless network integration
- High-performance I/O architecture provides plug-and-play support for USB and FireWire peripherals

### Designed for the Internet

- Built-in best-of-class Internet applications such as Mail, Microsoft Internet Explorer for Mac 5.1 Preview, and Internet Connect
- Integrated iTools account including a Mac.com email address, iDisk storage space, and more
- Software updates over the Internet to keep your system up to date

### Killer graphics

- Quartz 2D graphics for stunning onscreen graphics, PDF imaging, and extensive font support
- OpenGL for intense 3D graphics
- QuickTime 5 technology for Internet streaming of audio and video

### Easy transition

- Easy installation and setup help get you up and running in minutes
- Classic technology supports most of your current Mac OS 9 applications
- Next-generation "Built for Mac OS X" applications benefit from powerful new features

Welcome to the future of Macintosh. Mac OS X is a super-modern operating system that combines the power and stability of UNIX with the legendary simplicity and elegance of the Macintosh.

Mac OS X features a stunning new user interface called Aqua. As functional as it is beautiful, this breakthrough interface makes working and playing on the Mac even more intuitive for new users, while providing powerful, customizable tools for professionals. Aqua includes a number of innovative time- and work-saving features—including a new Finder and the Dock—that help you to navigate and organize your system, and give you instant access to your most frequently used applications, folders, minimized windows, and even system settings. And Aqua brings your Mac to life with expressive icons, vibrant color, and fluid motion.

But good looks are only the beginning. At the foundation of Mac OS X lies an industrial-strength, UNIX-based core operating system—called Darwin—that delivers unprecedented stability and performance. Darwin provides Mac OS X with powerful, advanced features such as protected memory, preemptive multitasking, advanced memory management, symmetric multiprocessing, and plug-and-play device support—making your Macintosh more responsive, faster, and more reliable than ever before.

Built using many of the same technologies that power the Internet itself, Mac OS X gives you the power to get online faster and easier—and do more when you get there—with best-of-class Internet applications such as Mail, Microsoft Internet Explorer for Mac 5.1 Preview, and iTools.

Three cutting-edge technologies—Quartz, OpenGL, and QuickTime—bring graphics capabilities to Mac OS X beyond anything ever seen in a desktop operating system. Apple's own Quartz 2D graphics engine with built-in PDF support features on-the-fly rendering, anti-aliasing, and compositing of PDF for pristine, high-fidelity graphics that you can create from any Mac OS X application. Quartz also supports TrueType, Type 1, and OpenType fonts and comes with a rich set of classic, modern, and fun fonts. OpenGL provides industry-standard 3D graphics capabilities for professional 3D-based applications and industry-leading games. And for the next generation in audio and video streaming, Mac OS X includes QuickTime 5, the premier technology for digital media.

Best of all, Mac OS X is simple to install and easy to learn. The Classic technology lets you run thousands of existing Mac OS 9-compatible applications, while the powerful features of Mac OS X provide a foundation for great new applications that are "Built for Mac OS X." So whether at the office, at home, in the studio, or in the classroom, Mac OS X will make your computer run faster and more reliably, while bringing the simplicity and familiarity of today's Macintosh to a whole new level.



## Specification Sheet

### Mac OS X

### Introducing Aqua, the new face of Macintosh

Meet your new desktop. Controls resemble polished gems, active buttons pulse, icons are larger and beautifully rendered, and drop shadows give windows greater depth. More than making Mac OS X great to look at, the new Aqua interface refines familiar elements of the Macintosh experience—and introduces new ones—to make using your Mac more intuitive and make you more productive. Aqua offers an array of new organizational features, including the Dock and Finder, that simplify navigation, give you more ways to personalize your system, and make it easier to access applications, files, external devices, networks, and the Internet.

#### The Apple menu

The Apple menu allows you to access system functions from any application: you can open recent documents or applications, quickly change system settings, and restart or log out from your Mac.



#### A new, more efficient Finder

The new Finder is the gateway to your computer. The easy-to-use, single-window interface makes navigating your hard drive, external FireWire and USB drives, CD-ROM discs, local networks—even your iDisk—easier than ever.

- Toolbar buttons take you instantly to the things you use most often: your disks, servers, applications, documents, and more. Customize the Finder to your needs: just drag and drop tools where you want them.
- In addition to the familiar icon and list views, you can select the new column view, designed to make it easier to navigate deep file systems. Column view also lets you preview files, like images, QuickTime movies, and MP3s.
- Connect to your iDisk, servers, and other computers right from the Finder for easy navigation and file sharing. They appear in the Finder just like another hard drive.

#### System Preferences

Controlling and customizing your Mac has never been easier. In Mac OS X, all your system controls are combined in an easy-to-use interface called System Preferences.

#### The Dock

Innovative and customizable, the Dock gives you instant access to the things you use most.

- Drag your favorite applications, folders, and even web addresses into the Dock to keep them within easy reach.
- To help keep you organized, the Dock stores applications on the left and everything else on the right. Features like magnification and auto-hide let you customize it to suit your workspace.
- Windows minimize into the Dock to help you organize your workspace. You can maximize them again with a single click.

- Dock icons give you useful visual feedback about the items you store there. For example, the Mail icon shows you how many new messages you have. A triangle under icons in the Dock shows which applications are currently running.
- Dock Extras let you view and adjust settings for commonly used system controls—battery strength, display settings, and AirPort signal strength—right from the Dock.
- Click and hold icons in the Dock to get pop-up menus that allow you to view contents of folders or select application options.



## Specification Sheet

### Mac OS X

#### Darwin, the super-modern foundation of Mac OS X

Mac OS X is more than just a pretty face. Beneath its appealing, easy-to-use interface, you'll find an industrial-strength, UNIX-based foundation, called Darwin, that is built from the ground up for superior stability and performance. Darwin evolved from a joint effort by Apple engineers and programmers in the open source software community. Together, they've created a robust, modern operating system foundation to help your Mac run faster and more reliably than ever.

#### Protected memory

Isolates applications in their own memory space, so they can't interfere with each other if one crashes.

- If an application crashes, Mac OS X shuts it down without affecting other applications, so you can go on working (or playing) without interruption, and without restarting your computer.

#### Preemptive multitasking

Uses the processor more efficiently by prioritizing tasks depending on their importance and ensuring that each task receives the resources it needs.

- Gives priority to primary applications while still crunching away at other jobs in the background, so you can complete several different tasks simultaneously.
- Your Mac continues to be responsive when performing processor-intensive tasks like rendering a transition in iMovie or compressing audio. You'll still be able to run other applications and perform other tasks such as searching the web or responding to email.

#### Advanced memory management

Automatically and precisely allocates the amount of memory needed by the application.

- Eliminates out-of-memory conditions and the need to manually adjust application memory through Get Info to open large files.

#### Symmetric multiprocessing

Provides built-in support for dual processor Power Mac G4 computers.

- Applications built for Mac OS X automatically enjoy the benefit of dual processors, so two complex operations or applications can be handled simultaneously by different processors, allowing you to do almost twice as much in the same amount of time.
- Multithreaded applications can allocate tasks to both processors, so a processor-intensive operation can run almost twice as fast using Mac OS X on a dual processor Power Mac G4.

#### Modern, standards-based networking

Provides UNIX-based networking with built-in support for PPP.

- Mac OS X incorporates the time-tested BSD networking stack, the backbone of most TCP/IP implementations on the Internet today. It supports DHCP, BootP, and manual network configurations, so you can seamlessly integrate Mac OS X into local area networks.
- Built-in support for PPP (Point-to-Point Protocol), PPPoE (PPP over Ethernet), AirPort, and Ethernet lets you easily access your Internet service provider or local area network to get online quickly.

#### Plug-and-play support

Comes complete with drivers for the most commonly used peripheral devices.

- You can hot-plug USB and FireWire devices without restarting your computer.
- Support for today's most popular inkjet printers from Canon, HP, and Epson is built in.
- You can connect IDE and SCSI disk drives, and a wide range of Apple monitors, right out of the box.



#### UNIX based

UNIX and Linux developers will appreciate the flexibility of the Darwin core operating system. Its BSD heritage provides a full BSD command set accessible from a command line terminal interface, and its support for POSIX APIs makes it easy to port existing UNIX applications to Mac OS X.

Mac OS X also includes a full complement of developer tools to make it easy for you to build the next great application.



## Specification Sheet

Mac OS X



### Mail

Apple's full-featured email application is integrated right into Mac OS X. It's perfect for sending and receiving email through your Mac.com or Internet mail account.



### iTools for Mac OS X

Access to your iTools account is integrated into Mac OS X, so there is nothing to install. iTools is a suite of free Internet services created for Mac users, making the web a simpler, more productive and fun place to be.

**Email.** Get an exclusive email address—membername@mac.com—with custom features such as message forwarding and auto-reply. Your email is stored and maintained on Apple's Internet servers, so you can access it from virtually any computer, anywhere, using any standard email program.

**iDisk.** Store documents, pictures, movies, and website files on the web, easily move files from work to home and back, and share files with Mac and PC users. You'll also have free access to a Software folder in iDisk that contains software built for Mac OS X.

**HomePage.** Easily construct and publish a professional-looking website, with no expertise in web design or coding required. Create an online photo album, share your movies, or even post your resume. It's hosted on Apple's Internet servers, so it's always there for the world to see.

### Built for the Internet

Built using many of the same technologies that power the Internet itself, Mac OS X features full support for standard Internet technologies, so you can easily integrate it into any standards-based network. It offers you a faster, easier way to get online—and do more when you get there—with great built-in Internet applications, as well as online help and automatic software updates via the Internet.

### Built-in Internet applications

Mail	<ul style="list-style-type: none"> <li>• Mail is Apple's own easy-to-use application for composing and reading email. It supports all standard Internet mail protocols and includes a built-in address book to store and organize contact information for everyone you know.</li> <li>• Mail lets you create and view rich-content email that can include great fonts, pictures, and even sounds.</li> <li>• You can use your Mac.com or Internet email account with Mail—it's already integrated, so there's nothing to set up.</li> <li>• You can customize your toolbars, create new mailboxes and folders, and even create "rules" that sort, color-code, or reply to email automatically, based on criteria you define.</li> </ul>
Microsoft Internet Explorer for Mac 5.1 Preview	<ul style="list-style-type: none"> <li>• Surf the web, download files, shop online, and more with the world's most popular web browser, built for Mac OS X.</li> </ul>
Internet Connect	<ul style="list-style-type: none"> <li>• Apple's simple solution for Internet connections lets you get online quickly and easily, without complicated setup procedures.</li> <li>• Internet Connect provides easy dialup connection and access to your AirPort settings.</li> <li>• A built-in status monitor lets you check the status of your ISP and AirPort connections at a glance.</li> </ul>
QuickTime Player and QuickTime TV	<ul style="list-style-type: none"> <li>• Play streaming video, watch QuickTime movies, view pictures, and listen to MP3 music over the Internet with QuickTime 5 Player.</li> <li>• Tune in to dozens of QuickTime TV channels, featuring the latest names in news, sports, and entertainment.</li> </ul>
Sherlock	<ul style="list-style-type: none"> <li>• Quickly and easily find people, news, information, and just about anything else on the Internet.</li> <li>• Use Sherlock as your personal shopper. It will help you find the best deals online, rank them by price, and even show you details about availability.</li> </ul>
WebDAV	<ul style="list-style-type: none"> <li>• Experience the benefits of next-generation web publishing. WebDAV support makes it easy to access and publish to web servers from any application you are using.</li> <li>• WebDAV web servers appear right in the Finder, making it easy to navigate and manage files over the Internet.</li> </ul>
File, web, and print sharing	<ul style="list-style-type: none"> <li>• Share files over the Internet quickly and easily and create and host your own website using Mac OS X. Web sharing on Mac OS X is powered by the Apache web server, which runs more than half the websites on the Internet.</li> </ul>
Software Updates	<ul style="list-style-type: none"> <li>• Receive the latest software updates and system enhancements directly from Apple over the Internet to ensure that your Mac is always up to date.</li> </ul>



## Specification Sheet

Mac OS X

### Included fonts

To enhance the way your documents look, Mac OS X comes with an array of beautiful modern, classic, and fun fonts.

American Typewriter

Baskerville

Big Caslon

COPPERPLATE

Didot

Futura

Gill Sans

Helvetica Neue

HERCULANUM

Marker Felt

Optima

Papyrus

Zapfino



### QuickTime 5

Play streaming video, watch QuickTime movies and live TV broadcasts, or listen to MP3 music over the Internet using QuickTime. New features include skip protection, a new music synthesizer, and support for 360° Cubic VR.



### Classic

Mac OS includes Classic, a technology that lets you run thousands of existing Mac OS 9-compatible applications.



### Built for Mac OS X

Look for this symbol on software packages to find applications built to take full advantage of Mac OS X technologies.

### Leading-edge graphics technologies

State-of-the-art technologies provide Mac OS X with the incredible graphics and font support that designers, art directors, and filmmakers have come to expect from Apple.

#### Graphics technologies

##### Quartz

- Quartz is a powerful new 2D graphics system that delivers on-the-fly rendering, anti-aliasing, and compositing for pristine onscreen graphics. Quartz features built-in support for Portable Document Format (PDF), giving you the power to embed and manipulate PDF data—and even save to PDF—with any application built for Mac OS X. So you can easily create Quartz-enhanced, graphics-rich documents that you can share with anyone.
- Quartz provides native support for TrueType, Type 1, and OpenType fonts. Fonts are beautifully rendered and anti-aliased using advanced filtering techniques so that they always look great onscreen and in print. Mac OS X also includes a great selection of classic, modern, and fun fonts.
- Quartz supports ColorSync, Apple's color management technology, so all applications taking advantage of Quartz will enjoy the benefits of consistent, accurate color.

##### OpenGL

- OpenGL has become the industry's most widely used and supported 3D graphics technology. Its high-quality, high-performance visual capabilities make it ideal for gaming, 3D modeling, graphic design applications, and special effects.

##### QuickTime 5

- Mac OS X includes QuickTime 5 Player, which features sophisticated capabilities that let you play back full-screen video, watch live events over the Internet, and open video, still images, and audio files in more than 30 standard formats.

### Easy transition to Mac OS X

You'll be up and running with Mac OS X in no time. The easy-to-use Setup Assistant guides you through installation, makes it easy to get a free iTools account, and even helps you connect to the Internet. And if you have a question, help is just a mouse-click away. Mac Help is built into Mac OS X to assist you and answer questions right at your desktop.

Best of all, Mac OS X is designed both for today and for the future. To ease your transition and extend your software investments, Mac OS X includes a technology called Classic. Classic lets you use most of your Mac OS 9-compatible applications, just as you do now.

In addition, the advanced features of the Darwin core operating system provide a foundation for exciting new applications that are "Built for Mac OS X." These applications take full advantage of the powerful graphics engine, Aqua user interface, and improved stability and performance of Mac OS X. Mac OS X also supports Java 2 Standard Edition, giving you access to the large collection of software designed for the Java platform.





## Specification Sheet

### Mac OS X

### Core Technologies

- Aqua
- Darwin
- Quartz
- OpenGL 3D
- QuickTime 5
- Classic
- Carbon and Cocoa
- Java 2 Standard Edition
- Apple Type Services
- AppleScript
- ColorSync
- Unicode
- BSD networking

### Internet Features

- Mail
- Internet Connect
- Sherlock
- iTools
- WebDAV
- Personal File Sharing
- Apache Web Sharing
- Keychain
- Software Updates
- Multiuser
- PPP, PPPoE, AirPort, Ethernet
- BSD command-line utilities, including Perl, Telnet, and FTP

### Additional Software

- AddressBook
- Preview
- QuickTime Player
- TextEdit
- Print Center
- Personal slide show screen saver
- Selection of new desktop patterns
- Aladdin Stuffit Expander
- Microsoft Internet Explorer for Mac 5.1 Preview
- Macromedia Flash Plug-in
- Epson, HP, and Canon printer drivers
- Classic, Modern, and Fun fonts

### Languages

- English, Japanese, French, German, Spanish, Italian, and Dutch

### Ordering Information

#### Mac OS X (for a single user)

Order No. M7686LL/A

#### Contents

- Mac OS X CD (v10.0)
- Mac OS 9.1 CD
- Developer Tools CD
- User guide and electronic documentation

Volume licenses are available. Contact your Apple sales representative for details.

### Requirements

- Power Mac G3, G4, G4 Cube; iMac; PowerBook G3, G4; or iBook computer\*
- 128MB of physical RAM

\* Original PowerBook G3 and processor upgrade cards not supported; CD-RW, DVD-R, and DVD-ROM drives not fully supported.

### Getting Support

Mac OS X comes with onscreen help, a user guide, online support, and 90 days of free telephone support. Mac Help is built into Mac OS X to provide comprehensive help and tips right on your desktop.

If your computer is less than a year old, you can purchase the AppleCare Protection Plan to extend your service and support to three full years. This comprehensive plan includes telephone support for Mac OS X and many Apple-branded consumer applications, Apple-certified repairs, web-based support resources, and powerful diagnostic tools.

For more information and other support options, visit [www.apple.com/support/products](http://www.apple.com/support/products) or call 800-823-2775.

iTools and other Internet features require Internet access; fees may apply.

### For More Information

For more information about Mac OS X and other Apple products, or to find out where to buy Apple products, visit [www.apple.com/software](http://www.apple.com/software) on the World Wide Web or call 800-538-9696. To purchase products from the Apple Store, go to [www.apple.com/store](http://www.apple.com/store) or call 800-MY-APPLE.

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