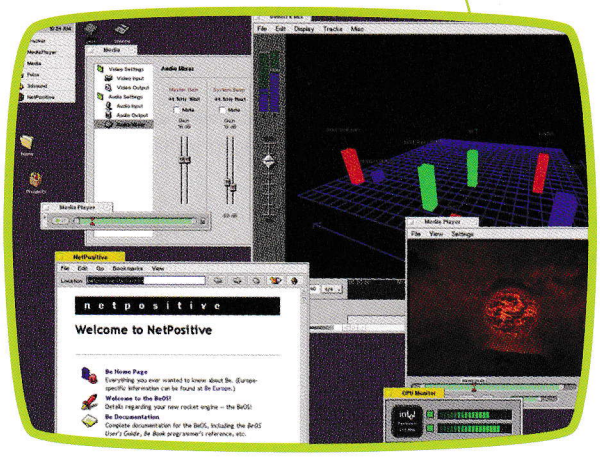
EXTRAORDINARY DIGITAL MEDIA POWER FOR ORDINARY PC HARDWARE.

Meet the soaring demand for dynamic digital media and applications head-on, without taxing your budget, your timetable, or your patience. BeOS® is the first and only operating system to deliver the speed, processing power, and stability of a high-end multimedia workstation on ordinary, low-cost desktop PCs.

High-intensity platform for digital media.

Based on an entirely new idea in computing, BeOS® was designed to satisfy the higher processing and memory requirements of today's digital media on standard PC hardware, without slowing down or freezing up. Work with audio, video, image, and Internet-based applications, and edit files of millions of gigabytes in size, simultaneously, in real-time.

BeOS expands to meet your needs. Adding another processor boosts performance and productivity by nearly 100%. In fact, BeOS is the only operating system that takes full advantage of from one to eight processors—automatically. No software reconfiguration needed!



Professional timing services and instant response make BeOS perfect for live multimedia editing. No audio glitches, slow-downs or dropped video frames.

See and hear the results of changes as you make them. There's no delay with BeOS even with several applications running at once!

Speed without limits.

BeOS boots in less than 20 seconds; applications load faster than you ever thought possible. System response is immediate. And all operations are available all the time; no waiting for one command to finish before you execute another. Launch applications, switch windows, go online. And do it all right now.

No tedious rebooting.

Tired of waiting for your system to reboot after a temperamental application crashes? Or after a simple configuration change? With BeOS, each application runs in its own protected memory space. So if one crashes, the system and other applications don't even notice. Just reload the crashed application and go. Think how much time that will save!

Fits right in beside Windows®, Mac OS®, and Linux.

Install BeOS on desktop or notebook computers alongside whatever you're currently running—Windows®, Linux, UNIX, Mac OS®, or anything else. At startup, use the boot manager included with BeOS to choose which system you want to load. It's that simple. You can even read and copy data from files created in other operating systems, since BeOS understands common file types and disk formats.

Fifteen minutes from installation to Internet.

BeOS installs in 15 minutes or less. Answer a few questions, and it configures itself for your hardware and network. Boot up, and you'll find familiar folders, windows, pull-down menus, and dialog boxes—there's virtually no learning curve with BeOS because you already know how to use it. BeOS is built with the same native communications protocol as the Internet (TCP/IP), so you can glide online right out of the box. Mail and Web browsing services are built-in, but can be removed or replaced easily. And any BeOS system can serve up web pages to the Internet with a minimum of fuss in your first session.

Nearly 1,000 applications available—more on the way.

BeOS comes complete with a Web browser, e-mail client, media player, utilities, translators, integrated development environment with source-level debugger, 3D audio mixer, and other application demos.

In addition, you can choose from nearly a thousand powerful, applications currently available for BeOS, including audio, video, graphics, development tools, Internet and networking, office productivity, utilities, games, and more. New applications are released weekly. Find a complete list—and download shareware, freeware, and demos for BeOS— at www.be.com.

INTERNET SERVICES

PPP
Allows connections to Internet Service Providers using the standard point-to-point protocol.

TCP/IP-native
BeOS speaks the Internet's language and is fully Internet-compatible and compliant right out of the box.

Internet tools
Comes with built-in Web server, Web browser, POP3 e-mail client, ftp client, ftp server, telnet client, and telnet server, all of which are removable or replaceable by third-party software.

GRAPHICS SYSTEM

Anti-aliased fonts
Anti-aliased outline fonts are standard, providing smooth text onscreen, as well as on paper.

OpenGL
Provides industry-standard, high-resolution 3D graphics and rendering.

Direct-access graphics
Allows your video card to draw images directly from your computer's memory. You'll see fast video and high frame rates in animated sequences.

Unicode fonts support
Allows display of languages with complex characters, such as Japanese, Russian, or Hebrew.

MICRO KERNEL

Symmetric multiprocessing
Supports 1, 2, 4, or 8 processors, automatically, without reconfiguration. Doubles your application speed each time you double the number of processors.

Pervasive multithreading
Designed to be threaded at every level of the OS to make the most of your CPU's power. Allows the system to respond to user input even when busy with other tasks.

Virtual memory
Extends memory by swapping less-used code to disk.

Protected memory
Runs each application in its own, isolated memory space. If an application crashes, other loaded applications and the operating system are undisturbed.

Low-latency kernel services
250-microsecond (1 /1,000,000 sec.) latency for scheduling and timer events ensures accuracy and high system responsiveness.

Dynamic drivers
Drivers load and unload dynamically as needed, reducing demands on kernel memory.

MEDIA SERVICES

Formats
Allows enabled applications to read and write to files in standard data formats, including QuickTime, AVI, MPEG-1, JPEG, TIFF, BMP, Targa, PNG,PPM, WAV, AIFF, and AU. Supports plug-ins for other formats.

Microsecond resolution
Allows consistent, accurate, reliable playback and recording of digital media that is tracked down to 1/1,000,000 sec. Result: immediate responsiveness.

FILE SYSTEM

64-bit file system
Allows BeOS to manage disks and files millions of gigabytes in size.

Journaling
Tracks all file system changes dynamically, speeding recovery from conditions such as power losses, and providing quick boot-up in under 20 seconds. Protects your hard disk so power failures won't corrupt it.

File system support
Plug-in-based support allows read/write access to files created under systems such as HFS (Mac OS), FAT16, FAT32, vFAT, and ISO-9660. Third-party support is available for ext2, NTFS, and NFS.

ADDITIONAL FEATURES

Hardware support
Extensive support for a wide and growing variety of graphics, sound, network and SCSI cards, as well as USB, video capture cards, and digital cameras. Complete list of supported hardware at www.be.com.

Applications included
Web browser, e-mail client, media player, TV viewer, contact manager, graphical archive extractor (expander), utilities, translators, screensaver, 3D audio mixer and other application demos, integrated development environment with source-level debugger.

Software Valet
Easily manages downloaded software, from installation to updating.

UNIX/POSIX compatibility
Fully functional POSIX layer allows a wide range of POSIX applications to compile and run on BeOS. Also included is a powerful, UNIX-style shell and windowed terminal program.

Localization support
Supports inline input of languages with special requirements, such as Japanese. Plug-in architecture facilitates support for virtually any other language.

FireWire (IEEE-1394)
Provides access to digital video content on DV video cameras.

Be™
in your senses™

Be Incorporated
800 El Camino Real, Suite 400, Menlo Park, California 94025, USA
650.462.4100 fax: 650.462.4129 e-mail: info@be.com
http://www.be.com

Be Europe
Immeuble Le Linéa, Rue du Général Leclerc, 92047 Paris La Défense Cedex, France
+33 (0) 1.55.91.7730 Fax: +33 (0) 1.55.91.7739 e-mail: infobe@beeurope.com
http://www.beeurope.com