











## APPLE DESKTOP COMPARISON CHART (Updated as of 5/06/03)

Compiled by Charles Gaba <a href="http://www.brainwrap.com">www.brainwrap.com</a>				
	<b>eMac</b> \$799	<b>eMac Combo Dr.</b> \$999	<b>eMac SuperDrive</b> \$1,299	<b>15" iMac G4</b> \$1,299
<b>Design/Ergonomics:</b>				
<b>Design/Styling:</b>	All-in-One design			lamp-style/swing arm
<b>Weight:</b>	50 lbs.			22 lbs.
<b>Component Access:</b>	Quick access to wireless 802.11b Airport card & RAM card slots			
<b>Deskpace Used:</b>	270 sq. in.			88 sq. in.
<b>Noise Volume:</b>	Ultraquiet fan			
<b>Energy Use:</b>	170 watts (\$30/yr)			130 watts (\$24/yr)
<b>Hardware: Processor/RAM</b>				
<b>Processor:</b>	800 MHz G4	1 GHz G4		800 MHz G4
<b>Appx. Equal to...</b>	1.2 GHz Pent. 4	1.5 GHz Pentium 4		1.2 GHz Pent. 4
<b>L1 Cache:</b>	64 k			
<b>L2 Cache:</b>	256k on-chip			
<b>L3 Cache:</b>	--			
<b>Memory Type:</b>	SDRAM PC133			
<b>Frontside Bus:</b>	133 MHz			100 MHz
<b>RAM Included:</b>	128 MB (1 DIMM)	256 MB (1 DIMM)		
<b>Max. RAM:</b>	1.0 GB (2 slots)			
<b>Hardware: Storage</b>				
<b>Hard Drive Size:</b>	40 GB	60 GB	80 GB	60 GB
<b>Hard Drive Type</b>	Ultra ATA 66			
<b>Hard Drive Speed:</b>	5400 rpm			7200 rpm
<b>CD Drive:</b>	32x CD-Rom	32x10x32x CD-RW	16x8x32x CD-RW	32x10x32x CD-RW
<b>DVD Drive:</b>	--	8x DVD-Rom	4x2x8x DVD-RW	8x DVD-Rom
<b>Zip/Other Drive:</b>	<i>Optional external USB or Firewire Zip/floppy/etc. drives available</i>			
<b>Hardware: Expansion/Peripherals</b>				
<b>PCI/AGP Slots:</b>	0 available; 1 total (video card)			
<b>Internal Bays:</b>	1 WiFi slot available; 0 hard drive bays available (1 total)			
<b>External Bays:</b>	0 available; 1 total (optical drive)			
<b>Mouse Included:</b>	Ambidextrous USB optical mouse ( <i>3rd-party multi-button/scrollwheel mice available</i> )			
<b>Keyboard Included:</b>	Pro Keyboard w/volume control, mute & optical drive eject buttons + 2 USB ports			
<b>USB Ports:</b>	5 total; 3 available			
<b>Firewire Ports:</b>	2 on-board ports (400 Mbps transfer speed)			
<b>Hardware: Graphics/Video/Audio</b>				
<b>Graphics Card:</b>	ATI Radeon 7500			GeForce2 MX 400
<b>Video RAM:</b>	32 MB dedicated DDR SDRAM			
<b>VGA Out:</b>	Mirroring <i>via optional adapter</i>			
<b>S-Video Out:</b>	<i>optional adapter</i>			--
<b>Composite-Out:</b>	<i>optional adapter</i>			--
<b>DVI Out:</b>	--			
<b>Display Included:</b>	integrated 16" v. flat CRT			int. 15" v. dig. LCD
<b>Native Disp. Res.:</b>	1280x960			1024x768
<b>Dual-Display Supp:</b>	<i>Mirroring only via optional adapter</i>			
<b>Viewable Angle:</b>	<i>n/a (CRT)</i>			120° v. / 90° h.
<b>Bright/Contrast:</b>	<i>n/a (CRT)</i>			200 cd/m; 300:1 con.
<b>Audio In:</b>	Built-in microphone; audio-in jack			
<b>Audio Out:</b>	Headphone jack; speaker/audio-out jacks			
<b>Speakers Inc.:</b>	Integ. Harmon-Kardon stereo speakers			H-K stereo speakers



## APPLE DESKTOP COMPARISON CHART, Page 2 (Updated as of 5/06/03)

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	<b>eMac</b>	<b>eMac Combo Dr.</b>	<b>eMac SuperDrive</b>	<b>15" iMac</b>
<b>Hardware: Networking</b>				
<b>10/100 Ethernet:</b>	10/100 Base-T Ethernet network card (integrated)			
<b>Gigabit Ethernet:</b>	--			
<b>56k Int. Modem:</b>	56k v.92 on-board internal modem w/FaxSTF software & phone cord			
<b>Wireless Networking:</b>	Internal <b>802.11g</b> (Airport Extreme) card slot; Integ. antennae; Built-in <b>802.11g</b> Base Station ( <i>requires optional A.E. card</i> )			802.11b slot/ant 802.11b bs. station
<b>Bluetooth?</b>	<i>optional 3rd-party Bluetooth cards available</i>			
<b>Software: Operating Systems/Compatibility</b>				
<b>Included OS:</b>	OS X 10.2/OS 9.2 (dual-boot); BSD Unix		OS X 10.2/OS 9 ( <i>classic</i> ); BSD Unix	
	full Apache web server; OS X fully Java 2 compliant; Rendezvous Zero-Config networking; System-wide save-as-PDF support (any file); system-wide handwriting recognition			
<b>Windows Supp.:</b>	DOS / Win '95 / Win '98 / Win ME / Win 2000 / Windows XP via optional Virtual PC			
<b>Linux OS Supp.:</b>	Linux PPC, Yellow Dog, Mandrake (native); Redhat, etc. (via optional Virtual PC)			
<b>Software: Applications/Utilities/Etc.</b> (included titles listed; other titles available)				
<b>Word Processor:</b>	AppleWorks 6.2 (MSFT Word Compatible)			
<b>Spreadsheet:</b>	AppleWorks 6.2 (MSFT Excel compatible)			
<b>Presentations:</b>	AppleWorks 6.2			
<b>Database:</b>	AppleWorks 6.2			
<b>Drawing/Painting:</b>	AppleWorks 6.2			
<b>E-mail/Cal/PIM:</b>	OS X Address Book; iCal; iSync; OS X Mail; iChat			
<b>Project/Planning:</b>	--			
<b>Financial:</b>	Quicken 2003 Deluxe			
<b>Reference:</b>	World Book Encyclopedia 2003 OS X			
<b>Digital Photo:</b>	iPhoto 2			
<b>Digital Video Edit:</b>	iMovie 3			
<b>Music/CD Burn:</b>	iTunes 4; Disc Burner; <i>Sound Studio</i>			
<b>DVD Burn/Author:</b>	Disc Burner	iDVD 3; Disc Burner	Disc Burner	
<b>Games Included:</b>	Chess; Otto Matic; Deimos Rising			
<b>Other Software:</b>	Quicktime 6; DVD Player; FaxSTF; OS X Mail; Microsoft Internet Explorer 5.2; Earthlink; AOL; Acrobat Reader 5.0; Hardware Test CD Other assorted additional software bundled with OS.			
<b>Services/Warranty/Durability/etc.</b>				
<b>ISP/Services:</b>	1 Month Free Earthlink; 90 Day .Mac Trial Account			
<b>Viruses/Security:</b>	Only about 50 known viruses (compared w/over 60,000 for Windows); Built-in Firewall; not vulnerable to IIS DDoS attacks			
<b>Warranty:</b>	1 yr. Ltd. Warranty; 90 days phone tech support included <i>3 yr. AppleCare Protection Plan available for \$169</i>			
<b>Product Quality &amp; Service:</b>	Received exemplary "Good Guys" rating from ConsumerAffairs.com (other 5 major U.S. PC makers received negative "Rogues Gallery")			
<b>Price/Shipping:</b>				
<b>Total Price</b>	<b>\$799</b>	<b>\$999</b>	<b>\$1,299</b>	<b>\$1,299</b>
(free ground shipping via Apple's online store; sales tax not included)				

## APPLE DESKTOP CHART, Page 3 (Updated as of 5/06/03)

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	<b>17" iMac G4</b> <b>\$1,799</b>	<b>PowerMac G4 w/17" Apple Cinema Display</b> <b>\$2,198</b>		<b>\$2,698</b>
<b>Design/Ergonomics:</b>				
<b>Design/Styling:</b>	lamp-style/swing arm	"Cyclops/Wind Tunnel" QuickSilver w/Polycarbonate Shell		
<b>Weight:</b>	22 lbs.	42 lbs. Total		
<b>Component Access:</b>	quick RAM access	Side drops open for easy expansion & component access		
<b>Deskpace Used:</b>	88 sq. in. total	280 sq. inches total		
<b>Noise Volume:</b>	ultraquiet fan	standard cooling fans		
<b>Energy Use:</b>	130 watts (\$24/yr)	appx. 340 watts total (appx. \$62/year)		
<b>Hardware: Processor/RAM</b>				
<b>Processor:</b>	1.0 GHz G4	Dual 1.25 GHz G4	Dual 1.43 GHz G4	
<b>Appx. Equal to...</b>	1.5 GHz Pent. 4	2.3 GHz Pent. 4	2.7 GHz Pent. 4	
<b>L1 Cache:</b>	64 k			
<b>L2 Cache:</b>	256k on-chip			
<b>L3 Cache:</b>	--	1 MB x2 DDR (2 MB total)		2 MBx2 DDR (4 ttl.)
<b>Memory Type:</b>	DDR PC2100		DDR PC2700	
<b>Frontside Bus:</b>	133 MHz		166 MHz	
<b>RAM Included:</b>	256 MB (1 DIMM)			512 MB (1 DIMM)
<b>Max. RAM:</b>	2.0 GB (4 slots)			
<b>Hardware: Storage</b>				
<b>Hard Drive Size:</b>	80 GB	60 GB	80 GB	120 GB
<b>Hard Drive Type:</b>	Ultra ATA 100			
<b>Hard Drive Speed:</b>	7200 rpm			
<b>CD Drive:</b>	16x8x32x CD-RW	32x10x32x CD-RW		16x8x32x CD-RW
<b>DVD Drive:</b>	4x2x8x DVD-RW	12x DVD-Rom		4x2x8x DVD-RW
<b>Zip/Other Drive:</b>	<i>Optional ext. USB or Firewire Zip/floppy/etc. drives available</i>			
<b>Hardware: Expansion/Peripherals</b>				
<b>PCI/AGP Slots:</b>	0 avail. / 1 total	4 PCI slots available + 1 AGP slot used by graphics card		
<b>Internal Bays:</b>	0 avail. / 1 total	3 available ATA hard drive bays; 4 total		
<b>External Bays:</b>	0 avail. / 1 total	1 bay available for optional 2nd optical drive; 2 total		
<b>Mouse Included:</b>	Ambidex. USB optical mouse ( <i>3rd-party multi-button/scrollwheel mice available</i> )			
<b>Keyboard Included:</b>	Pro Keyboard w/volume/mute/eject buttons + 2 USB ports			
<b>USB Ports:</b>	5 total (2 on keybd)	6 total; 4 available (2 on CPU; 2 on LCD; 2 on keyboard)		
<b>Firewire Ports:</b>	2 ports @ 400 Mbps	3 ports total: 2 @ 400 Mbps; 1 @ 800 Mbps		
<b>Hardware: Graphics/Video/Audio</b>				
<b>Graphics Card:</b>	GeForce4 MX 400		ATI Radeon 9000	
<b>Video RAM:</b>	64 MB dedicated DDR SDRAM			
<b>VGA Out:</b>	Yes	Mirroring or spanning via included adapter		
<b>S-Video Out:</b>	<i>optional</i>	<i>(optional via 3rd-party solution)</i>		
<b>Composite-Out:</b>	<i>optional</i>	<i>(optional via 3rd-party solution)</i>		
<b>DVI Out:</b>	--	Mirroring or spanning via included adapter		
<b>Display Included:</b>	17" widesc. dig. LCD	17" viewable 100% digital LCD		
<b>Disp. Res. Nat/Max:</b>	1440x900	1280x1024 (1.3 Mpx) / 1920x1200 (2.3 Mpx)		
<b>Dual-Display Supp:</b>	Mirroring only	2 displays off of single video card; 1 ACD, 1 DVI or VGA		
<b>Viewable Angle:</b>	120° v. / 90° h.	160° vertical / 160° horizontal		
<b>Bright/Contrast:</b>	200 cd/m; 300:1 con.	200 cd/m; 350:1 contrast ratio		
<b>Audio In:</b>	Audio-in port; digital-audio ready			
<b>Audio Out:</b>	hp jack; audio out	2 headph. jacks (1 in front); 1 audio-out		
<b>Speakers Inc.:</b>	H-K stereo speakers	Int. H-K mono speaker ( <i>optional analog or digital avail.</i> )		

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<b>Hardware: Networking</b>				
<b>10/100 Ethernet:</b>	10/100 Base-T Ethernet network card (integrated)			
<b>Gigabit Ethernet:</b>	--	Gigabit Ethernet on-board		
<b>56k Int. Modem:</b>	56k v.92 on-board internal modem w/FaxSTF software			
<b>Wireless Networking:</b>	Internal 802.11g card slot; Internal antennae Built-in 802.11g Base Station (requires optional card)			
<b>Bluetooth?</b>	<i>optional 3rd-party Bluetooth cards available</i>			
<b>Software: Operating Systems/Compatibility</b>				
<b>Included OS:</b>	OS X 10.2; Mac OS 9.2 (via Classic mode); BSD Unix Apache web server; Java 2 compliant; Zero-Config networking Built-in save-as-PDF support; built-in handwriting recognition			
<b>Windows Supp.:</b>	DOS/Win '95/'98/ME/2000/XP via optional Virtual PC			
<b>Linux OS Supp.:</b>	Linux PPC, Yellow Dog, Mandrake (native)			
<b>Software: Applications/Utilities/Etc.</b> (included titles listed; other titles available)				
<b>Word Processor:</b>	AppleWorks 6.2	<i>MSFT Word X Trial Version</i>		
<b>Spreadsheet:</b>	AppleWorks 6.2	<i>MSFT Excel X Trial Version</i>		
<b>Presentations:</b>	AppleWorks 6.2	<i>MSFT PowerPoint X Trial Version</i>		
<b>Database:</b>	AppleWorks 6.2	<i>FileMaker Pro 6 Trial Version</i>		
<b>Drawing/Painting:</b>	AppleWorks 6.2	Graphic Converter; Art Directors Toolkit; OmniGraffle		
<b>Calendar/PIM:</b>	OS X Address Book; iCal; iSync; Entourage X Trial			
<b>Project/Planning:</b>	--	OmniOutliner		
<b>Financial:</b>	Quicken 2003 Del.	QuickBooks 5 for OS X		
<b>Reference:</b>	World Book Encyc.	--		
<b>Digital Photo:</b>	iPhoto 2	iPhoto 2; Graphic Converter		
<b>Digital Video Edit:</b>	iMovie 3			
<b>Music/CD Burn:</b>	iTunes/DBurn/Snd St.	iTunes 4; Disc Burner		
<b>DVD Burn/Author:</b>	iDVD 3; Disc Burner	Disc Burner   iDVD 3; Disc Burner		
<b>Games Included:</b>	Chess/OttoM/Deimos	Chess		
<b>Other Software:</b>	Quicktime 6; DVD Player; FaxSTF; OS X Mail; Internet Explorer 5; Earthlink; Acrobat Reader 5.0; Hardware Test CD Other assorted additional software bundled with OS.			
<b>Services/Warranty/Durability/etc.</b>				
<b>ISP/Services:</b>	1 Month Free Earthlink; 90 Day .Mac Trial Account			
<b>Viruses/Security:</b>	appx. 50 known viruses compared w/over 60,000 for Windows Built-in Firewall; not vulnerable to IIS DDoS attacks			
<b>Warranty:</b>	1 yr. Ltd. Warranty; 90 days phone tech support included			
	<i>3yr. APP \$169</i>	<i>3 yr. AppleCare Protection Plan available for \$249</i>		
<b>Product Quality &amp; Service:</b>	Received exemplary "Good Guys" rating from ConsumerAffairs.com (other 5 major U.S. PC makers received negative "Rogues Gallery")			
<b>Price/Shipping:</b>				
<b>Total Price</b>	<b>\$1,799</b>	<b>\$2,198</b>	<b>\$2,698</b>	<b>\$3,398</b>
(free ground shipping via Apple's online store; sales tax not included)				