











APPLE DESKTOP COMPARISON CHART (Updated as of 2/04/03)

Compiled by Charles Gaba www.brainwrap.com					
	iMac G3 \$799	eMac Combo Dr. \$999	eMac SuperDrive \$1,299	15" iMac G4 \$1,299	17" iMac G4 \$1,799
Design/Ergonomics:					
Design/Styling:	AIO; handle inc.	All-in-One design		lamp-style; 180° swing arm; neck=handle	
Weight:	35 lbs.	50 lbs.		22 lbs.	
Component Access:	Quick access to wireless 802.11b Airport card & RAM card slots				
Deskpace Used:	255 sq. in.	270 sq. in.		88 sq. in.	
Noise Volume:	Virtually silent	Ultraquiet fan			
Energy Use:	150 watts (\$27/yr)	170 watts (\$30/yr)		130 watts (\$24/yr)	
Hardware: Processor/RAM					
Processor:	600 MHz G3	700 MHz G4	800 MHz G4		1.0 GHz G4
Appx. Equal to...	650 MHz Pent. 4	1.1 GHz Pent. 4	1.2 GHz Pent. 4		1.5 GHz Pent. 4
L1 Cache:	64 k				
L2 Cache:	256k on-chip				
Memory Type:	SDRAM PC100			SDRAM PC133	DDR PC2100
Frontside Bus:	100 MHz				133 MHz
RAM Included:	128 MB (1 DIMM)		256 MB (1 DIMM)		
Max. RAM:	1.0 GB (2 slots)				
Hardware: Storage					
Hard Drive Size:	40 GB		60 GB		80 GB
Hard Drive Type	Ultra ATA 66				Ultra ATA 100
Hard Drive Speed:	5400 rpm			7200 rpm	
CD Drive:	24x CD-Rom	12x8x32x CD-RW	8x4x24x CD-RW	32x10x32x CD-RW	16x8x32x CD-RW
DVD Drive:	--	8x DVD-Rom	2x1x6x DVD-RW	8x DVD-Rom	4x2x6x DVD-Rom
Zip/Other Drive:	<i>Optional external USB or Firewire Zip/floppy/etc. drives available</i>				
Hardware: Expansion/Peripherals					
PCI/AGP Slots:	0 available; 1 total (video card)				
Internal Bays:	1 WiFi slot available; 0 hard drive bays available (1 total)				
External Bays:	0 available; 1 total (optical drive)				
Mouse Included:	Ambidextrous USB optical mouse (<i>3rd-party multi-button/scrollwheel mice available</i>)				
Keyboard Included:	Pro Keyboard w/volume control, mute & optical drive eject buttons + 2 USB ports (see below)				
USB Ports:	4 total; 2 avail.	5 total; 3 available			
Firewire Ports:	2 on-board ports (400 Mbps transfer speed)				
Hardware: Graphics/Video/Audio					
Graphics Card:	ATI Rage 128 Ultra	nVidia GeForce2 MX 400			GeForce4 MX 400
Video RAM:	16 MB dedicated	32 MB dedicated DDR SDRAM			64 MB DDR
VGA Out:	Mirroring <i>via optional adapter</i>				
S-Video Out:	--				<i>optional</i>
Composite-Out:	--				<i>optional</i>
DVI Out:	--				
Display Included:	int. 13.8" v. CRT	integrated 16" v. flat CRT		int. 15" v. dig. LCD	17" v. wide dig. LCD
Native Disp. Res.:	1024x768	1280x960		1024x768	1440x900
Viewable Angle:	<i>n/a (CRT)</i>			120° vertical / 90° horizontal	
Bright/Contrast:	<i>n/a (CRT)</i>			200 cd/m; 300:1 contrast ratio	
Audio In:	Built-in microphone; audio-in jack; digital-audio ready			int. mic; dig.-ready	mic; line-in; dig.read
Audio Out:	Headphone jack; speaker/audio-out jacks; digital audio-ready				
Speakers Inc.:	Integrated Harmon-Kardon stereo speakers			Harmon-Kardon stereo speakers	

APPLE DESKTOP COMPARISON CHART, Page 2 (Updated as of 2/04/03)

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	iMac G3	eMac Combo Dr.	eMac SuperDrive	15" iMac G4	17" iMac G4
Hardware: Networking					
10/100 Ethernet:	10/100 Base-T Ethernet network card (integrated)				
Gigabit Ethernet:	--				
56k Int. Modem:	56k v.90 on-board internal modem w/FaxSTF software & phone cord				
802.11b Airport Wireless Network:	Internal 802.11b (Airport) card slot; Integrated antennae; Built-in 802.11b Airport Base Station (<i>requires optional Airport card</i>)				int. 802.11g slot/ant 802.11g bs. station
Bluetooth?	<i>optional 3rd-party Bluetooth cards available</i>				
Software: Operating Systems/Compatibility					
Included OS:	OS X 10.2; OS 9.2 (dual-boot); BSD Unix			OS X 10.2; OS 9 (<i>via 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				
Windows Supp.:	DOS / Win '95 / Win '98 / Win ME / Win 2000 / Windows XP via optional Virtual PC				
Linux OS Supp.:	Linux PPC, Yellow Dog, Mandrake (native); Redhat, etc. (via optional Virtual PC)				
Software: Applications/Utilities/Etc. (included titles listed; other titles available for all categories)					
Word Processor:	AppleWorks 6.2 (MSFT Word Compatible)				
Spreadsheet:	AppleWorks 6.2 (MSFT Excel compatible)				
Presentations:	AppleWorks 6.2				
Database:	AppleWorks 6.2				
Drawing/Painting:	AppleWorks 6.2				
E-mail/Cal/PIM:	OS X Address Book; iCal; iSync; OS X Mail; iChat				
Project/Planning:	--				
Financial:	Quicken 2003 Deluxe				
Reference:	World Book Encyclopedia 2003 OS X				
Digital Photo:	iPhoto 2				
Digital Video Edit:	iMovie 3				
Music/CD Burn:	iTunes 3; Disc Burner; <i>Sound Studio</i>				
DVD Burn/Author:	Disc Burner	iDVD 3; Disc Burner	Disc Burner	iDVD 3; Disc Burner	
Games Included:	Chess; Otto Matic; Deimos Rising				
Other Software:	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.				
Services/Warranty/Durability/etc.					
ISP/Services:	1 Month Free Earthlink; 90 Day .Mac Trial Account				
Viruses/Security:	Only about 50 known viruses (compared w/over 60,000 for Windows); Built-in Firewall; not vulnerable to IIS DDoS attacks				
Warranty:	1 yr. Ltd. Warranty; 90 days phone tech support included <i>3 yr. AppleCare Protection Plan available for \$149</i>				
Product Quality: & Service:	Received an exemplary "Good Guys" rating from ConsumerAffairs.com (<i>other 5 major U.S. PC makers all received negative "Rogues Gallery" rating</i>)				
Price/Shipping:					
Total Price	\$799	\$999	\$1,299	\$1,299	\$1,799
	(free ground shipping via Apple's online store; sales tax not included)				

APPLE DESKTOP CHART, Page 3 (Updated as of 2/04/03)

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PowerMac G4 Tower
w/17" Apple Cinema Display

\$2,198

\$2,698

\$3,398

Design/Ergonomics:

Design/Styling:	"Cyclops/Wind Tunnel" QuickSilver w/Polycarbonate Shell
Weight:	42 lbs. Total
Component Access:	Side drops open for easy expansion & component access
Deskpace Used:	280 sq. inches total
Energy Use:	appx. 340 watts total (appx. \$62/year)

Hardware: Processor/RAM

Processor:	1.0 GHz G4	Dual 1.25 GHz G4	Dual 1.43 GHz G4
Appx. Equal to...	1.5 GHz Pent. 4	2.3 GHz Pent. 4	2.7 GHz Pent. 4
L1 Cache:	64 k		
L2 Cache:	256k on-chip		
L3 Cache:	1 MB x2 DDR (2 MB total)		2 MBx2 DDR (4 ttl.)
Memory Type:	DDR PC2100	DDR PC2700	
Frontside Bus:	133 MHz	166 MHz	
RAM Included:	256 MB (1 DIMM)		512 MB (1 DIMM)
Max. RAM:	2.0 GB (4 slots)		

Hardware: Storage

Hard Drive Size:	60 GB	80 GB	120 GB
HD Type/Speed:	Ultra ATA 100 / 7200 rpm		
CD Drive:	32x10x32x CD-RW		16x8x32x CD-RW
DVD Drive:	12x DVD-Rom		4x2x6x DVD-RW
Zip/Other Drive:	<i>Optional ext. USB or Firewire Zip/floppy/etc. drives available</i>		

Hardware: Expansion/Peripherals

PCI/AGP Slots:	4 PCI slots available + 1 AGP slot used by graphics card
Internal Bays:	3 available ATA hard drive bays; 4 total
External Bays:	1 bay available for optional 2nd optical drive; 2 total
Mouse Included:	ous USB optical mouse (<i>3rd-party multi-button/scrollwheel mice</i>)
Keyboard Included:	Pro Keyboard w/volume/mute/eject buttons + 2 USB ports
USB Ports:	6 total; 4 available (2 on CPU; 2 on LCD; 2 on keyboard)
Firewire Ports:	3 ports total: 2 @ 400 Mbps; 1 @ 800 Mbps

Hardware: Graphics/Video/Audio

Graphics Card:	GeForce4 MX 400	ATI Radeon 9000
Video RAM:	64 MB dedicated DDR SDRAM	
VGA Out:	Mirroring or spanning via included adapter	
S-Video Out:	<i>(optional via 3rd-party solution)</i>	
Composite-Out:	<i>(optional via 3rd-party solution)</i>	
DVI Out:	Mirroring or spanning via included adapter	
Display Included:	17" viewable 100% digital LCD	
Disp. Res. Nat/Max:	1280x1024 (1.3 Mpx) / 1920x1200 (2.3 Mpx)	
Dual-Display Supp:	2 displays off of single video card; 1 ACD, 1 DVI or VGA	
Viewable Angle:	160° vertical / 160° horizontal	
Bright/Contrast:	200 cd/m; 350:1 contrast ratio	
Audio In:	Audio-in port; digital-audio ready	
Audio Out:	2 headph. jacks (1 in front); 1 audio-out; digital audio-ready	
Speakers Inc.:	Internal H-K mono speaker (<i>optional analog or digital avail.</i>)	

APPLE DESKTOP CHART, Page 4 (Updated as of 2/04/03)

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PowerMac G4 w/17" Apple Cinema Display

\$2,198	\$2,698	\$3,398
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Hardware: Networking

10/100 Ethernet:	10/100 Base-T Ethernet network card (integrated)
Gigabit Ethernet:	Gigabit Ethernet on-board
56k Int. Modem:	56k v.90 on-board internal modem w/FaxSTF software
802.11b Airport Wireless Network:	Internal 802.11g card slot; Internal antennae Built-in 802.11g Base Station (requires optional card)
Bluetooth?	<i>optional 3rd-party Bluetooth cards available</i>

Software: Operating Systems/Compatibility

Included OS:	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
Windows Supp.:	DOS/Win '95/'98/ME/2000/XP via optional Virtual PC
Linux OS Supp.:	Linux PPC, Yellow Dog, Mandrake (native)

Software: Applications/Utilities/Etc. (included titles listed; other titles available)

Word Processor:	<i>MSFT Word X Trial Version</i>
Spreadsheet:	<i>MSFT Excel X Trial Version</i>
Presentations:	<i>MSFT PowerPoint X Trial Version</i>
Database:	<i>FileMaker Pro 6 Trial Version</i>
Drawing/Painting:	Graphic Converter; Art Directors Toolkit; OmniGraffle
Calendar/PIM:	OS X Address Book; iCal; iSync; <i>Entourage X Trial</i>
Project/Planning:	OmniOutliner
Financial:	QuickBooks 5 for OS X
Reference:	--
Digital Photo:	iPhoto 2; Graphic Converter
Digital Video Edit:	iMovie 3
Music/CD Burn:	iTunes 3; Disc Burner
DVD Burn/Author:	Disc Burner iDVD 2; Disc Burner
Games Included:	Chess
Other Software:	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.

Services/Warranty/Durability/etc.

ISP/Services:	1 Month Free Earthlink; 90 Day .Mac Trial Account
Viruses/Security:	appx. 50 known viruses compared w/over 60,000 for Windows Built-in Firewall; not vulnerable to IIS DDoS attacks
Warranty:	1 yr. Ltd. Warranty; 90 days phone tech support included <i>3 yr. AppleCare available for \$249</i>
Product Quality & Service:	Received exemplary "Good Guys" rating from ConsumerAffairs.com <i>(other 5 major U.S. PC makers received negative "Rogues Gallery")</i>

Price/Shipping:

Total Price	\$2,198	\$2,698	\$3,398
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