

## Technical Specifications

### Size and weight

- Height: **2.75 cm** (1.08 inch)
- Width: **32.5 cm** (12.78 inches)
- Depth: **22.7 cm** (8.92 inches)
- Weight: **2.27 kg** (5.0 pounds)<sup>1</sup>



### Connections and expansion



- MagSafe power port
- Gigabit Ethernet port
- Mini-DVI port
- FireWire 400 port (up to 400 Mbps)
- Two USB 2.0 ports (up to 480 Mbps)
- Audio line in
- Audio line out
- Kensington cable lock slot

### Wireless

Built-in AirPort Extreme Wi-Fi wireless networking<sup>2</sup> (based on IEEE 802.11n draft specification); IEEE 802.11a/b/g compatible



Built-in Bluetooth 2.0 + EDR (Enhanced Data Rate)



Built-in 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector)

### Audio

- Built-in stereo speakers
- Built-in omnidirectional microphone
- Combined optical digital audio input/audio line in (minijack)
- Combined optical digital audio output/audio line out (minijack)

### Installed software

- Mac OS X v10.5 Leopard (includes Time Machine, Quick Look, Spaces, Spotlight, Dashboard, Mail, iChat, Safari, Address Book,

### Display



13.3-inch (diagonal) glossy widescreen TFT display with support for millions of colours

**Supported resolutions:** 1280 by 800 (native), 1152 by 720, 1024 by 768, 1024 by 640, 800 by 600, 800 by 500, 720 by 480 and 640 by 480 pixels at 16:10 aspect ratio; 1024 by 768, 800 by 600 and 640 by 480 pixels at 4:3 aspect ratio; 720 by 480 pixels at 3:2 aspect ratio

### Graphics and video support

Intel GMA X3100 graphics processor with 144MB of DDR2 SDRAM shared with main memory<sup>3</sup>

Extended desktop and video mirroring: Simultaneously supports full native resolution on the built-in display and up to 1920 by 1200 pixels on an external display, both at millions of colours

Built-in iSight camera



Mini-DVI port

### Pure digital video output

**DVI output** using mini-DVI to DVI adapter (optional)

**VGA output** using mini-DVI to VGA adapter (optional)

**Composite output** using mini-DVI to video adapter (optional)

**S-video output** using mini-DVI to video adapter (optional)

### Input



- Built-in full-size keyboard with 78 (U.S.) or 79 (ISO) keys, including 12 function keys and 4 arrow keys (inverted "T" arrangement)

### Processor and memory

- 2.1GHz or 2.4GHz Intel Core 2 Duo processor with 3MB on-chip shared L2 cache running 1:1 with processor speed
- 800MHz frontside bus
- 1GB (two 512MB SO-DIMMs) or 2GB (two 1GB SO-DIMMs) of 667MHz DDR2 SDRAM; two SO-DIMM slots support up to 4GB



Standard <b>2.1 GHz</b>	Standard <b>2.4 GHz</b>
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### Storage

#### 2.1GHz MacBook

- 120GB 5400-rpm Serial ATA hard disk drive; optional 160GB or 250GB 5400-rpm drive<sup>4</sup>



- 24x slot-loading Combo drive (DVD-ROM/CD-RW)

Writes CD-R discs at up to 24x speed; writes CD-RW discs at up to 16x speed; reads CDs at up to 24x speed; reads DVDs at up to 8x speed

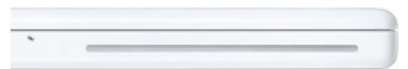
#### 2.4GHz MacBook

- 160GB or 250GB 5400-rpm Serial ATA hard disk drive

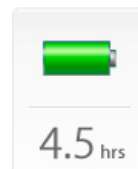
- 8x slot-loading SuperDrive (DVD±R DL/DVD±RW/CD-RW)

Maximum write: 8x DVD-R, DVD+R; 4x DVD-R DL (double layer), DVD+R DL (double layer), DVD-RW, DVD+RW; 24x CD-R; 10x CD-RW

Maximum read: 8x DVD-R, DVD+R, DVD-ROM; 6x DVD-ROM (double layer DVD-9), DVD-R DL (double layer), DVD+R DL (double layer), DVD-RW and DVD+RW; 24x CD



### Battery and power<sup>5</sup>



55-watt-hour lithium-polymer battery

60W MagSafe Power Adapter with cable management system

QuickTime, iCal, DVD Player, Photo Booth, Front Row, Xcode Developer Tools)

- iLife '08 (includes iTunes, iPhoto, iMovie, iDVD, iWeb, GarageBand)

- Solid-state scrolling trackpad for precise cursor control; supports two-finger scrolling, tap, double-tap and drag capabilities

wireless productivity

### Electrical and operating requirements

- Line voltage: 100V to 240V AC
- Frequency: 50Hz to 60Hz
- Operating temperature: 10° to 35° C (50° to 95° F)
- Storage temperature: -24° to 45° C (-13° to 113° F)
- Relative humidity: 0% to 90% noncondensing
- Maximum operating altitude: 3,000 m (10,000 feet)
- Maximum storage altitude: 4,500 m (15,000 feet)
- Maximum shipping altitude: 10,667 m (35,000 feet)

### Environmental status

- Majority of circuit board laminates are free of brominated flame retardants
- Majority of internal cables are PVC-free
- Meets ENERGY STAR requirements



### What's in the box

- MacBook
- Display cleaning cloth
- 60W MagSafe Power Adapter, AC wall plug and power cord
- Lithium-polymer battery
- Install/restore DVDs
- Printed and electronic documentation



### Configurations

	<b>2.1GHz MacBook</b> (MB402X/A)	<b>2.4GHz MacBook</b> (MB403X/A)	<b>2.4GHz MacBook</b> (MB404X/A)
Color	White	White	Black
Processor	2.1GHz Intel Core 2 Duo	2.4GHz Intel Core 2 Duo	2.4GHz Intel Core 2 Duo
L2 cache	3MB shared	3MB shared	3MB shared
System bus	800MHz	800MHz	800MHz
Memory	1GB (two 512MB) of 667MHz DDR2 SDRAM (PC2-5300); supports up to 4GB	2GB (two 1GB) of 667MHz DDR2 SDRAM (PC2-5300); supports up to 4GB	2GB (two 1GB) of 667MHz DDR2 SDRAM (PC2-5300); supports up to 4GB
Hard drive <sup>4</sup>	120GB Serial ATA; 5400 rpm	160GB Serial ATA; 5400 rpm	250GB Serial ATA; 5400 rpm
Slot-loading optical drive	Combo drive (DVD-ROM/CD-RW)	8x SuperDrive (DVD±R DL/DVD±RW/CD-RW)	
Graphics	Intel GMA X3100 graphics processor with 144MB of DDR2 SDRAM shared with main memory <sup>3</sup>		
Video	Built-in iSight camera; mini-DVI output port with support for DVI, VGA, S-video and composite video (requires adapters, sold separately)		
Display	13.3-inch (diagonal) glossy TFT widescreen display, 1280 by 800 resolution		
FireWire	One FireWire 400 port (up to 400 Mbps)		
USB	Two USB 2.0 ports (up to 480 Mbps)		
Audio	Built-in stereo speakers, built-in omnidirectional microphone, combined optical digital audio input/audio line in, combined optical digital audio output/audio line out		

<b>Networking</b>	Built-in 10/100/1000BASE-T (Gigabit) Ethernet
<b>Wireless</b>	Built-in AirPort Extreme Wi-Fi (based on IEEE 802.11n draft specification) <sup>2</sup> ; built-in Bluetooth 2.0 + EDR (Enhanced Data Rate) module
<b>Hardware accessories</b>	60W MagSafe Power Adapter, AC wall plug, power cord, lithium-polymer battery
<b>Limited warranty and service</b>	Your MacBook comes with 90 days of free telephone support and a one-year limited warranty. Purchase the <b>AppleCare Protection Plan</b> to extend your service and support to three years from your computer's purchase date. 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-authorized technicians using genuine Apple parts. For more information, visit <b>Apple support</b> .
<b>Apple and the global environment</b>	Learn more about Apple's dedication to reducing the environmental impact of our products and processes. The <b>Apple Product Environmental Specification</b> details the environmental attributes of our products.
<b>Recycling</b>	Apple takes a holistic view of materials management and waste minimisation. Learn more about how to recycle your Mac.

## Options



### Time Capsule

Time Capsule is a full-featured AirPort Extreme base station with a built-in hard drive. Back up wirelessly and create a Wi-Fi network with one device.

- 500GB or 1TB server-grade hard drive
- Wi-Fi Certified for 802.11n draft 2.0
- USB port for connecting a USB printer or USB external hard drive

### Configure to order

- 160GB (5400 rpm) hard drive
- 250GB (5400 rpm) hard drive
- Up to 4GB of 667MHz DDR2 SDRAM
- Apple Remote (MA128G/B)
- Apple USB Modem (MA034Z/A)
- Apple Mini-DVI to DVI Adapter (M9321G/B)
- Apple Mini-DVI to VGA Adapter (M9320G/A)
- Aperture 2 (MA715Z/A)
- Final Cut Express (MA261Z/A)
- Logic Express (MA806Z/A)
- iWork '08 (MA790Z/A)

### Accessories

- AirPort Extreme Base Station (MA053LL/A)
- AirPort Express Base Station (M9470LL/A)
- MagSafe Airline Adapter (MB441Z/A)
- Apple Mini-DVI to Video Adapter (M9319G/A)
- AppleCare Protection Plan (MA519LL/A)
- .Mac Subscription (MA927Z/A)
- Apple Wireless Keyboard (MB167LL/A)
- Apple wireless Mighty Mouse (MB111X/A)
- Apple Wired Keyboard (MB110LL/A)
- Apple wired Mighty Mouse (MB112X/A)

1. Actual weight varies by configuration and manufacturing process.
2. Wireless Internet access requires a base station or other wireless access point and Internet access (fees may apply). Some ISPs are not currently compatible with AirPort.
3. Memory available to Mac OS X may vary depending on graphics needs. Minimum graphics memory usage is 144MB. An additional 16MB is required when using an external display.
4. 1GB=1 billion bytes. Actual formatted capacity less.
5. Battery life depends on configuration and use. See [www.apple.com.au/batteries](http://www.apple.com.au/batteries) for more information. The wireless productivity test measures battery life by wirelessly browsing various websites and editing text in a word processing document with display brightness set to 50%.

## Time Capsule. Wireless backup is here.



## Which MacBook are you?



## Anatomy of a Mac.



## MacBook. Available today.



133 MAC (622)

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