

MacBook Pro (13-inch, Mid 2012) – Technical Specifications

Languages English ▼

Display

- 13.3-inch (diagonal) LED-backlit glossy widescreen display with support for millions of colors
- Supported resolutions: 1280 by 800 (native), 1152 by 720, 1024 by 640, and 800 by 500 pixels at 16:10 aspect ratio; 1024 by 768, 800 by 600, and 640 by 480 pixels at 4:3 aspect ratio; 1024 by 768, 800 by 600, and 640 by 480 pixels at 4:3 aspect ratio stretched; 720 by 480 pixels at 3:2 aspect ratio; 720 by 480 pixels at 3:2 aspect ratio stretched

Processor

- 2.5GHz dual-core Intel Core i5 processor (Turbo Boost up to 3.1GHz) with 3MB L3 cache
- 2.9GHz dual-core Intel Core i7 processor (Turbo Boost up to 3.6GHz) with 4MB L3 cache

Memory

- 2.5GHz
4GB of 1600MHz DDR3 memory
Configurable to 8GB
- 2.9GHz
8GB of 1600MHz DDR3 memory

Storage¹

- 2.5GHz
500GB 5400-rpm hard drive
Configurable options:
 - 750GB 5400-rpm hard drive
 - 128GB solid-state drive
 - 256GB solid-state drive
 - 512GB solid-state drive
- 2.9GHz
750GB 5400-rpm hard drive
Configurable options:
 - 1TB 5400-rpm hard drive
 - 128GB solid-state drive
 - 256GB solid-state drive
 - 512GB solid-state drive

Size and Weight

- Height: 0.95 inch (2.41 cm)
- Width: 12.78 inches (32.5 cm)
- Depth: 8.94 inches (22.7 cm)
- Weight: 4.5 pounds (2.06 kg)²

Graphics and Video Support

- Intel HD Graphics 4000
- Dual display and video mirroring: Simultaneously supports full native resolution on the built-in display and up to 2560 by 1600 pixels on an external display, both at millions of colors

Thunderbolt digital video output

- Native Mini DisplayPort output
- DVI output using Mini DisplayPort to DVI Adapter (sold separately)
- VGA output using Mini DisplayPort to VGA Adapter (sold separately)
- Dual-link DVI output using Mini DisplayPort to Dual-Link DVI Adapter (sold separately)
- HDMI audio and video output using third-party Mini DisplayPort to HDMI Adapter (sold separately)

Camera

- 720p FaceTime HD camera

Connections and Expansion

- MagSafe power port

- Gigabit Ethernet port
- FireWire 800 port (up to 800 Mbps)
- Two USB 3 ports (up to 5 Gbps)
- Thunderbolt port (up to 10 Gbps)
- Headphone port
- SDXC card slot
- Kensington lock slot
- 8x SuperDrive

Wireless

- 802.11n Wi-Fi wireless networking;³ IEEE 802.11a/b/g compatible
- Bluetooth 4.0 wireless technology

Audio

- Stereo speakers with subwoofer
- Omnidirectional microphone
- Headphone port
 - Support for Apple iPhone headset with remote and microphone
 - Support for audio line out (digital/analog)

Keyboard and Trackpad

- Full-size backlit keyboard with 78 (U.S.) or 79 (ISO) keys, including 12 function keys and 4 arrow keys (inverted “T” arrangement) with ambient light sensor
- Multi-Touch trackpad for precise cursor control; supports inertial scrolling, pinch, rotate, swipe, three-finger swipe, four-finger swipe, tap, double-tap, and drag capabilities

Battery and Power⁴

- Up to 7 hours wireless web
- Built-in 63.5-watt-hour lithium-polymer battery
- 60W MagSafe Power Adapter with cable management system; MagSafe power port

Electrical and Operating Requirements

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

Included Software OS X Lion

Includes Mail, Address Book, iCal, the Mac App Store, iTunes, Safari, Time Machine, FaceTime, Photo Booth, Mission Control, Launchpad, AirDrop, Resume, Auto Save, Versions, Quick Look, Spotlight, QuickTime, and more.

OS X Mountain Lion. Coming soon. Buy a new Mac now and get a free upgrade to the next release of OS X when it arrives this summer. Learn more about latest operating system

iLife

Includes iPhoto, iMovie, and GarageBand. Learn more about iLife.

Limited Warranty and Service

Your MacBook Pro comes with 90 days of free telephone support and a one-year limited warranty. Purchase the AppleCare Protection Plan 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 Apple Support or call 800-823-2775.

In the Box

- MacBook Pro
- Display cleaning cloth
- 13-inch: 60W MagSafe Power Adapter, AC wall plug, and power cord
- Printed and electronic documentation

Configure to Order

Configure your MacBook Pro to order with these options, only at the Apple Online Store:

- 8GB memory upgrade (two 4GB)
- 750GB 5400-rpm hard drive
- 1TB 5400-rpm hard drive
- 128GB, 256GB, or 512GB solid-state drive

MacBook Pro and the Environment

Apple takes a complete product life cycle approach to determining our environmental impact. Learn more about MacBook Pro and the Environment.

MacBook Pro is designed with the following features to reduce environmental impact:

- Highly recyclable aluminum enclosure
- Mercury-free LED backlit display
- Arsenic-free display glass
- BFR-free
- PVC-free⁵
- Reduced packaging volume
- Meets ENERGY STAR Version 5.2 requirements

Apple and the Environment

Learn more about Apple's dedication to reducing the environmental impact of our products and process. The Apple Product Environmental Specification details the environmental attributes of our products.

Recycling

Apple takes a holistic view of materials management and waste minimization. Learn more about how to recycle your Mac.

Acoustic Performance

DECLARED NOISE EMISSIONS in accordance with ISO 9296

	Sound Power Level L_{WAd} (B) 1 B = 10 dB		Sound Pressure Level Operator Position L_{pAm} (dB)	
	13" 2.9 GHz	13" 2.5 GHz	13" 2.9 GHz	13" 2.5 GHz
Idle	2.7	2.7	16	16
Hard drive accessing	2.8	2.8	17	17
CD drive accessing	N/A	3.2	N/A	28

1. L_{WAd} is the statistical upper-limit A-weighted sound power level (rounded to the nearest 0.1 B).
2. L_{pAm} is the mean A-weighted sound pressure level measured at the operator position (rounded to the nearest dB).
3. 1 B (bel) = 10 dB (decibel).

Accessories

Mac Software

- iWork
- Aperture
- Logic Pro
- Final Cut Pro X

Displays and Adapters

- Apple Thunderbolt Display
- Apple Mini DisplayPort to DVI Adapter
- Apple Mini DisplayPort to VGA
- Adapter Apple Mini DisplayPort to Dual-Link DVI Adapter

AirPort and Wireless

- AirPort Extreme Base Station
- AirPort Express Base Station
- Time Capsule
- Apple Remote

- Apple Wireless Keyboard
- Apple Magic Mouse
- Apple Magic Trackpad

Other Accessories

- 60W MagSafe Power Adapter (13-inch)
- AppleCare Protection Plan

1. 1GB=1 billion bytes; actual formatted capacity less.
2. Actual weight varies by configuration and manufacturing process.
3. 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.
4. Wireless web testing conducted by Apple in May 2012 using preproduction 2.6GHz quad-core Intel Core i7-based 15-inch MacBook Pro units and preproduction 2.9GHz dual-core Intel Core i7-based 13-inch MacBook Pro units. The wireless web test measures battery life by wirelessly browsing 25 popular websites with display brightness set to 50%. Battery life varies by use and configuration. See www.apple.com/batteries for more information.
5. PVC-free AC power cord is available in the U.S., Canada, Mexico, Colombia, El Salvador, Guatemala, Panama, Peru, Puerto Rico, U.S. Virgin Islands, and Venezuela.

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Support

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