



13-inch with Retina display

15-inch with Retina display

Display		
	<p>Retina display: 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 resolution at 227 pixels per inch with support for millions of colors</p> <p>Native resolution: 2560 by 1600 pixels (Retina); scaled resolutions: 1680 by 1050, 1440 by 900, and 1024 by 640 pixels</p>	<p>Retina display: 15.4-inch (diagonal) LED-backlit display with IPS technology; 2880-by-1800 resolution at 220 pixels per inch with support for millions of colors</p> <p>Native resolution: 2880 by 1800 pixels (Retina); scaled resolutions: 1920 by 1200, 1680 by 1050, 1280 by 800, and 1024 by 640 pixels</p>

Price	\$1299	\$1499	\$1799	\$1999	\$2599
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Processor	<p>2.4GHz 2.4GHz dual-core Intel Core i5 processor (Turbo Boost up to 2.9GHz) with 3MB shared L3 cache</p> <p>Configurable to 2.6GHz dual-core Intel Core i5 (Turbo Boost up to 3.1GHz) with 3MB shared L3 cache or 2.8GHz dual-core Intel Core i7 (Turbo Boost up to 3.3GHz) with 4MB shared L3 cache.</p>	<p>2.4GHz 2.4GHz dual-core Intel Core i5 processor (Turbo Boost up to 2.9GHz) with 3MB shared L3 cache</p> <p>Configurable to 2.6GHz dual-core Intel Core i5 (Turbo Boost up to 3.1GHz) with 3MB shared L3 cache or 2.8GHz dual-core Intel Core i7 (Turbo Boost up to 3.3GHz) with 4MB shared L3 cache.</p>	<p>2.6GHz 2.6GHz dual-core Intel Core i5 processor (Turbo Boost up to 3.1GHz) with 3MB shared L3 cache</p> <p>Configurable to 2.8GHz dual-core Intel Core i7 (Turbo Boost up to 3.3GHz) with 4MB shared L3 cache.</p>	<p>2.0GHz 2.0GHz quad-core Intel Core i7 processor (Turbo Boost up to 3.2GHz) with 6MB shared L3 cache</p> <p>Configurable to 2.3GHz quad-core Intel Core i7 (Turbo Boost up to 3.5GHz) with 6MB shared L3 cache or 2.6GHz quad-core Intel Core i7 (Turbo Boost up to 3.8GHz) with 6MB shared L3 cache.</p>	<p>2.3GHz 2.3GHz quad-core Intel Core i7 processor (Turbo Boost up to 3.5GHz) with 6MB shared L3 cache</p> <p>Configurable to 2.6GHz quad-core Intel Core i7 (Turbo Boost up to 3.8GHz) with 6MB shared L3 cache.</p>
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Memory	<p>4GB of 1600MHz DDR3L onboard memory</p> <p>Configurable to 8GB or 16GB.</p>	<p>8GB of 1600MHz DDR3L onboard memory</p> <p>Configurable to 16GB.</p>	<p>8GB of 1600MHz DDR3L onboard memory</p> <p>Configurable to 16GB.</p>	<p>16GB of 1600MHz DDR3L onboard memory</p>
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Storage ¹	<div>128GB</div>	<div>256GB</div>	<div>512GB</div> <p>Configurable to 1TB flash storage.</p>	<div>256GB</div> <p>Configurable to 512GB or 1TB flash storage.</p>	<div>512GB</div> <p>Configurable to 1TB flash storage.</p>
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Size and Weight



Height: 0.71 inch (1.8 cm)
Width: 12.35 inches (31.4 cm)
Depth: 8.62 inches (21.9 cm)
Weight: 3.46 pounds (1.57 kg)²



Height: 0.71 inch (1.8 cm)
Width: 14.13 inches (35.89 cm)
Depth: 9.73 inches (24.71 cm)
Weight: 4.46 pounds (2.02 kg)²

Graphics and Video Support

Intel Iris Graphics

Dual display and video mirroring:
Simultaneously supports full native resolution on the built-in display and up to 2560 by 1600 pixels on up to two external displays, 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 video output
Support for 1080p resolution at up to 60Hz

Support for 3840-by-2160 resolution at 30Hz

Support for 4096-by-2160 resolution at 24Hz

Intel Iris Pro Graphics

Intel Iris Pro Graphics

NVIDIA GeForce GT 750M with 2GB of GDDR5 memory and automatic graphics switching

Dual display and video mirroring:
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HDMI video output
Support for 1080p resolution at up to 60Hz

Support for 3840-by-2160 resolution at 30Hz

Support for 4096-by-2160 resolution at 24Hz

Camera



720p FaceTime HD camera

720p FaceTime HD camera


Connections and Expansion







	<p>MagSafe 2 power port</p> <p>Two Thunderbolt 2 ports (up to 20 Gbps)</p> <p>Two USB 3 ports (up to 5 Gbps)</p> <p>HDMI port</p> <p>Headphone port</p>	<p>SDXC card slot</p> <p>Apple Thunderbolt to FireWire Adapter (sold separately)</p> <p>Apple Thunderbolt to Gigabit Ethernet Adapter (sold separately)</p>
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Wireless	<p>Wi-Fi 802.11ac Wi-Fi wireless networking; ³ IEEE 802.11a/b/g/n compatible</p> <p>Bluetooth Bluetooth 4.0 wireless technology</p>	 
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Audio	<p>Stereo speakers</p> <p>Dual microphones</p> <p>Headphone port</p> <ul style="list-style-type: none">• Support for Apple iPhone headset with remote and microphone• Support for audio line out (digital/analog)	<p>Stereo speakers</p> <p>Dual microphones</p> <p>Headphone port</p> <ul style="list-style-type: none">• Support for Apple iPhone headset with remote and microphone• Support for audio line out (digital/analog)
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Keyboard and Trackpad	<p>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</p> <p>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</p>	
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Battery and Power ⁴	<div></div> <p>Up to 9 hours wireless web</p> <p>Up to 9 hours iTunes movie playback</p> <p>Up to 30 days standby time</p> <p>Built-in 71.8-watt-hour lithium-polymer battery</p> <p>60W MagSafe 2 Power Adapter with cable management system; MagSafe 2 power port</p>	<div></div> <p>Up to 8 hours wireless web</p> <p>Up to 8 hours iTunes movie playback</p> <p>Up to 30 days standby time</p> <p>Built-in 95-watt-hour lithium-polymer battery</p> <p>85W MagSafe 2 Power Adapter with cable management system; MagSafe 2 power port</p>
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Electrical and Operating Requirements	<p>Line voltage: 100V to 240V AC</p> <p>Frequency: 50Hz to 60Hz</p> <p>Operating temperature: 50° to 95° F (10° to 35° C)</p> <p>Storage temperature: -13° to 113° F (-25° to 45° C)</p>	
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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

Operating System

OS X Mavericks



Easy to use, incredibly powerful, and packed with features you'll love, OS X Mavericks is the world's most advanced desktop operating system. [Learn more](#)

OS X Mavericks Includes

- AirDrop
- AirPlay
- Dictation
- Gatekeeper
- Notification Center
- Facebook Integration
- Twitter Integration
- Multiple Display Support
- Finder Tabs and Tags
- iCloud
- iCloud Keychain
- Dashboard
- Mission Control
- Spotlight Search
- Safari Power Saver
- App Nap
- Power Nap
- Compressed Memory
- Built-in Sharing

Built-in Apps⁵



iPhoto



iMovie



GarageBand



Pages



Numbers



Keynote



Maps



iBooks



Safari



Mail



FaceTime



Messages



Calendar



Contacts



Reminders



Time Machine



Photo Booth



iTunes



Game Center



Preview



Notes



Mac App Store

Your MacBook Pro with Retina display 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

Limited Warranty and Service

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 with Retina display
- MagSafe 2 Power Adapter
- AC wall plug
- Power cord



Configure to Order

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

- Up to 2.8GHz dual-core Intel Core i7 (Turbo Boost up to 3.3GHz) with 4MB shared L3 cache
- Up to 16GB memory upgrade
- Up to 1TB of flash storage ¹

- Up to 2.6GHz quad-core Intel Core i7 (Turbo Boost up to 3.8GHz) with 6MB shared L3 cache
- Up to 16GB memory upgrade
- Up to 1TB of flash storage ¹

MacBook Pro with Retina display and the Environment



Apple takes a complete product life cycle approach to determining our environmental impact. [Learn more](#)

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

- Highly recyclable aluminum enclosure
- Mercury-free LED-backlit display
- Arsenic-free display glass
- BFR-free
- PVC-free⁶
- Reduced packaging volume
- Meets ENERGY STAR Version 6 requirements
- Rated EPEAT Gold⁷

Apple and the Environment

Learn more about Apple's dedication to reducing the environmental impact of our products and process. Or read our **Product Environmental Reports** for detailed information on the environmental performance of every Apple product.

Recycling

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

Other Models

13-inch MacBook Pro Tech Specs





Accessories



Mac Software

Aperture

Logic Pro X

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

MagSafe to MagSafe 2 Converter



AirPort and Wireless

AirPort Express

AirPort Extreme

AirPort Time Capsule



Other Accessories

Apple USB SuperDrive

Thunderbolt to Gigabit Ethernet
Adapter

Thunderbolt to FireWire Adapter

60W MagSafe 2 Power Adapter

85W MagSafe 2 Power Adapter

AppleCare Protection Plan

MacBook Pro with Retina display

From \$1299



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- 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less.
- Weight varies by configuration and manufacturing process.
- Requires Internet access. 802.11ac is based on an IEEE draft specification.
- Testing conducted by Apple in October 2013 using preproduction 2.3GHz quad-core Intel Core i7-based 15-inch MacBook Pro units, preproduction 2.0GHz quad-core Intel Core i7-based 15-inch MacBook Pro units and preproduction 2.6GHz dual-core Intel Core i5-based 13-inch MacBook Pro units. The wireless web test measures battery life by wirelessly browsing 25 popular websites with display brightness set to 12 clicks from bottom or 75%. The HD movie playback test measures battery life by playing back HD 720p content with display brightness set to 12 clicks from bottom or 75%. The standby test measures battery life by allowing a system, connected to a wireless network, to enter standby mode with Safari and Mail applications launched and all system settings left at default. Battery life varies by use and configuration. See www.apple.com/batteries for more information.
- Pages, Numbers, and Keynote are free on the Mac App Store for qualifying Mac computers purchased on or after October 1, 2013. OS X Mavericks required. Downloading apps requires an Apple ID.
- PVC-free AC power cord available in all regions except China, India, and South Korea.
- MacBook Pro achieved a Gold rating from EPEAT in the U.S. and Canada.