

MacBook Pro Core i7 Retina 15-inch



Display

- 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
- Native resolution: 2880 by 1800 pixels (Retina); scaled resolutions: 1920 by 1200, 1680 by 1050, 1280 by 800, and 1024 by 640 pixels

Processor

- **2.2GHz**
2.2GHz quad-core Intel Core i7 processor (Turbo Boost up to 3.4GHz) with 6MB shared L3 cache
Configurable to 2.5GHz quad-core Intel Core i7 (Turbo Boost up to 3.7GHz) with 6MB shared L3 cache or 2.8GHz quad-core Intel Core i7 (Turbo Boost up to 4.0GHz) with 6MB shared L3 cache.
- **2.5GHz**
2.5GHz quad-core Intel Core i7 processor (Turbo Boost up to 3.7GHz) with 6MB shared L3 cache
Configurable to 2.8GHz quad-core Intel Core i7 (Turbo Boost up to 4.0GHz) with 6MB shared L3 cache.

Memory

- 16GB of 1600MHz DDR3L onboard memory

Storage¹

- **2.2GHz – 256GB**
256GB PCIe-based flash storage
Configurable to 512GB or 1TB flash storage.

- **2.5GHz – 512GB**
512GB PCIe-based flash storage
Configurable to 1TB flash storage.

Size and Weight

- Height: 0.71 inch (1.8 cm)
- Width: 14.13 inches (35.89 cm)
- Depth: 9.73 inches (24.71 cm)
- Weight: 4.49 pounds (2.04 kg)²

Graphics and Video support

- Intel Iris Pro Graphics
 - **2.2GHz – 256GB**
Intel Iris Pro Graphics
 - **2.5GHz – 512GB**
Intel Iris Pro Graphics
AMD Radeon R9 M370X with 2GB GDDR5 memory and automatic graphics switching
- Dual display and video mirroring: Simultaneously supports full native resolution on the built-in display and up to 3840 by 2160 pixels on up to two external displays, both at millions of colors
- **Thunderbolt digital video output**
 - Native Mini DisplayPort output
 - DVI, VGA, dual-link DVI and HDMI output supported using Mini DisplayPort adapters (sold separately)
 - Support for up to 5120-by-2880 resolution at 60Hz on a single external display (model with AMD Radeon R9 M370X only)
- **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

Connections and Expansion



- MagSafe 2 power port
- Two Thunderbolt 2 ports (up to 20 Gbps)
- Two USB 3 ports (up to 5 Gbps)
- HDMI port
- Headphone port
- SDXC card slot
- Apple Thunderbolt to FireWire Adapter (sold separately)
- Apple Thunderbolt to Gigabit Ethernet Adapter (sold separately)

Wireless

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

Audio

- Stereo speakers
- Dual microphones
- Headphone port
 - Support for Apple iPhone headset with remote and microphone
 - Support for audio line out (digital/analog)
- Maximum storage altitude: 15,000 feet
- Maximum shipping altitude: 35,000 feet

Operating System

OS X Yosemite: Engineered to take full advantage of your Mac hardware, OS X Yosemite is intuitive and easy to use. It features an elegant design, includes enhancements to the apps you use most, and enables your Mac and iOS devices to work together in amazing ways.

OS X Yosemite Includes

- AirDrop
- AirPlay
- Dictation
- Gatekeeper
- Notification Center
- Facebook Integration
- Twitter Integration
- Multiple Display Support
- Finder Tabs and Tags
- iCloud
- iCloud Keychain
- iCloud Drive

- Family Sharing
- 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