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Guide buying used macbook pro

Source: Rene Ritchie / iMore MacBook Pro may sound like one product, but there are actually a few options to consider - do you want a 13- or 16-inch model? And there are processor speeds, graphics cards, memory, SSD storage sizes and even colors to consider! MacBook Pro lineup Source: iMore Apple's MacBook Pro lineup - and it doesn't include MacBooks or MacBook Air - now includes two models, each with several options. You can choose from 13 with touch bar and touch ID or 16 with touch bar and touch ID. Screen size may seem like the biggest way to differentiate, but there are also performance and price points to consider. Still, it's useful to look at the baseline above. Display source: René Ritchie / iMore detail view, lots of web, and lots of apps that can be packed into it, including interfaces and toolbars. A small display means you have a small machine, but the larger the display, the more details or details you can see of the document, image, video, or details. The 13-inch MacBook Pro features a 2560 by 1600 16:10 display at 227 PPI. It's what we call Retina, or a display so dense that Apple can't see pixels at normal working distances. The 16-inch MacBook Pro features a 3072-by-1920 16:10 display at 226 PPI. Here's what the pixel differences look like side by side: Source: iMore The MacBook Pro also supports DCI-P3 wide color colors and other advanced technologies that offer bright red, deeper green and black-black. It's like HDR for your display. This is like removing a layer of haze from the screen and seeing how close the world it really is. For the most portable, you need a 13-inch MacBook Pro. If you want the largest possible display, you need a 16-inch MacBook Pro. That way, you can make your desk look like NASA. The MacBook Pro can support up to one 5120 x 2880 (5K) display on a 13-inch model or one 6016 x 3384 (6K) display, and up to two 6016 x 3384 (5K) displays on a 16-inch model. The 13-inch model can support two 4096 x 2304 displays simultaneously, while the 16-inch model can support up to four 4096 x 2304 displays at a time. If you only want to drive one or two external displays other than 5K, you need a 13-inch MacBook Pro. If you want to drive two 5K or four non-5K external displays, you need a 16-inch MacBook Pro. processor source: The iMore Central Processing Unit (CPU) is what drives the MacBook Pro. In the old days, they get astronomically more powerful for every generation. Now, the big benefit is in power efficiency. Now Apple has split the pros of the MacBook8th and 10th generation Intel processors. The base model of the 13-inch MacBook Pro starts with the 1.4GHz quad-core 8TH generation i5 and 8GB of RAM and can consist of up to 1.7GHz 8 generation quad-core i7 with 16GB of RAM. The upper layer of the 13-inch MacBook Pro starts with the 2.0GHz quad-core 10th generation i5 with 16GB of RAM and can be configured with quad-core 10th generation i7 and 32GB of RAM up to 2.3GHz. The 16-inch model can start with a 2.6GHz 6-core Intel Core i7 processor or go up to a 2.3GHz 8-core Intel Core i9 processor. If you need good performance and plan for minimal processor-intensive work, you should have a 13-inch MacBook Pro. If you want maximum performance for resource-like things like video editing, the 8-core 16-inch MacBook Pro graphics source: Rene Ritchie/iMore Graphics Processing Unit (GPU) handles pixel rendering and pushing. This includes everything from macOS interfaces to photo and video editors to video games. The more powerful the GPU, the more pixels it can render and push, and the smoother and better the animation, app, and more realistic 3D. The MacBook Pro includes intel iris plus

graphics 645 for 13 inches with 1.4Ghz i5 and Intel Iris Plus graphics for 2.0Ghz i5 models. The 16-inch version includes the AMD Radeon Pro 4GB 5300M or 5500M (depending on whether it supports base or high-end models) and the Intel UHD Graphics 630 for low power consumption and individual graphics for high performance. Set to AMD Radeon Pro 5500M with 4GB of GDDR6 memory or AMD Radeon Pro 5500M with 8GB of GDDR6 memory with base model 2.6Ghz 6 core 16 Or you can configure it to use 8 GB of GDDR6 memory at the high Mac16-inch end of 2.3GHz by setting it to amd Radeon Pro 5500M with 8GB of GDDR6 memory. If you need basic graphics and don't plan on working graphically or playing video games, you need a 13-inch MacBook Pro. If you want the biggest graphics boost you can get, you need a 16-inch MacBook Pro. battery life source: iMore it doesn't matter how fast your laptop is if you run out of juice when you need it most. Therefore, both Intel on the chipset side and Apple on the AMD and macOS side have been working on making everything last longer. The 13-inch MacBook Pro is rated for 10 hours of web browsing or iTunes movie playback time and 30 days on standby. The 16-inch MacBook Pro must be able to do 11 hours of web browsing or iTunes movie playback, and also has 30 days of standby time. (Because iTunes movies are hardware-accelerated, Chrome's YouTube consumes more power, for example.) Battery life is about the same on both models, with 16 inches 13 inches for an hour. Memory The amount of random access memory (RAM) on your Mac tells you how many apps you can store live at once, how big your photo and video editing projects are without changing data on the drive, and otherwise you can keep everything super fast. 13-inch MacBookStarting with 8GB of 2133MHz LPDDR3 memory, you can go to 16GB with the base model. The upper layer of the 13-inch MacBook Pro starts with 16GB of RAM and can go up to 32GB. The 16-inch MacBook Pro starts at 16GB of 2666MHz DDR4 memory and can be upgraded to 32GB or 64GB. If you want ram that best meets your app usage and video editing needs, you can use the 16-inch MacBook Pro. It consisted of a large, noisy hard drive platter that spun storage and didn't take well on bumps and power issues. Now they are in solid condition - flash chips with no moving parts. They don't hold as much as older style hard drives and are still expensive, but they are super fast and much more resilient. The 13 MacBook Pro comes with a 256GB SSD for the base model, a 512GB SSD for the two middle models and a top-end version of the 1TB SSD. Two lower models can set up to 2TB SSDs, and two high-end models can use up to 4TB SSD storage. The 16-inch MacBook Pro comes with a 512GB SSD or 1TB SSD, which can be configured up to 8TB, depending on which model you get. If you want the largest possible storage capacity (8 TB), you need a 16-inch MacBook Pro. If you want to save upfront costs, you can get up to 2TB or 4TB with a 13-inch MacBook Pro. port source: iMore wired connections such as Rene Ritchie/USB, Thunderbolt and HDMI allow you to connect to high-performance accessories such as external displays, drives and networks. Two cheaper models of the 13-inch MacBook Pro have 2x Thunderbolt 3 ports (USB-C), while the other two high-end versions have 4x Thunderbolt 3 (USB-C) ports, while the two right ports of 13 inches are not full speed. The 16-inch MacBook Pro also has a 4x Thunderbolt 3 (USB-C) port. If your port needs are low or you have a USB-C Hub handy, the 2-port 13-inch MacBook Pro is a good fit. If you need a lot of USB-C ports, but only ports that support 5K external display connections, the 4x USB-C port 13 MacBook Pro does the trick. If you need the best possible data transfer and you need two ports to connect your 5K external display, only the 16-inch MacBook Pro is yours. Force Touch Trackpad Source: iMore Apple currently has force touch trackpads on all MacBook Pro models. Taptic Engine simulates the click of a traditional trackpad, but no real mechanical switches are available across the surface. Some people don't like the sensation, but it can be used in a way that goes far beyond the usual trackpads, adding pressure sensitivity and less tendency to break down. All MacBook Pro models sport a large Force Touch trackpad. Keyboard Source: René Ritchie / iMore The new 13-inch MacBook Pro now uses the same backlit magic keyboard introduced in the 16-inch MacBook Pro. This means that we have eliminated the butterfly mechanism that caused a lot of problems for users and are now returning to the design of the old scissor switches. This means that the keyboard is more reliable.13-inch MacBook Pro. The 16-inch MacBook Pro debuted a backlit Magic Keyboard with full size and built-in lights. The 16-inch has a physical ESC key once more while holding a touch bar with a touch ID. Now that both the 13- and 16-inch MacBook Pro have the same scissor switch magic keyboard, there is no real difference between them separately from the size. These are less likely to fail, easier and more comfortable to type. Both the 13-inch (including the lower-end model) and the 16-inch MacBook Pro have the same backlit magic keyboard, improving the typing experience for users. Touch Bar and Touch ID Source: All models of macBook Pro sold on iMore now include a matte finish touch bar OLED that matches the feel of the keys on the keyboard. The 16-inch MacBook Pro has returned the physical ESC keys on the keyboard, but just like the old function line, it can display Esc and function keys, as well as system and media controls. However, the Touch Bar also allows you to view curated contextual shortcuts for the app you're working on at the time. This includes volume sliders, content scrubbers, color selectors, and what developers can dream of. There is a touch ID on the right side of the touch bar. Once exclusive to iPhone and iPad, now you can have it on Mac. It's like a small integrated iOS device embedded in your MacBook Pro that works off apple T2 chips. It handles secure jumps and secure presentations of Apple Pay information, but its fusion is hidden. What you see is a sensor. Put your registered finger on it and you are authenticated! Every new MacBook Pro sold by Apple comes with a touch bar and a touch ID. If you're not a fan of touch bars, you should look for your old MacBook Pro through other retailers and Apple renovations. Color source: For a long time, Apple made laptops with a silver beaded blast aluminum finish. The bead-blasted aluminum part is still true, but recently Apple has started adding some colors to its Mac lineup. It is now available in Space Grey! All macBook Pro models are available in both silver and space gray. Who needs to get a 13-inch MacBook Pro with a touch bar and touch ID?Source:Rene Ritchie/iMore The newly updated MacBook Pro is cutting edge, but it cuts out a few things. Legacy ports are gone, and the fastest possible I/O in that location is internally and externally. It's for those who want a bleeding edge and don't care what it costs. If you want the dcI-P3 wide-colored display and the best screen technology in the business, a larger Force Touch trackpad, a lighter, denser chassis, and the fastest 10th generation quad-core processor twice as much as its predecessor, consider portability that is far more important than a lot of RAM and extra storage. The newly updated 13-inch MacBook Pro comes with the latest 10th generation i5 processor.Start storage and take home a scissors switch magic keyboard. Source: Rene Ritchie/iMore Larger Model MacBook Pro is literally the fastest and most powerful portable computing device in Apple's lineup. It has state-of-the-art connectivity and data transfer, and plenty of room for heavy memory-occupied programs. Thanks to the updated 8-core Coffee Lake processor, the 16-inch MacBook Pro can have up to 64GB of RAM and 8TB of onboard storage. Combine this with an advanced Radeon Pro graphics card and 4GB of video memory and you're talking about a pretty powerful beast with a somey portable body. The 16-inch MacBook Pro packs a lot of power to get everything done without sweating. If you want, you can move up to 64GB of RAM and 8TB of storage. If you are still inged with choosing a MacBook Pro for you, make sure you pay a visit to our Apple MacBook discussion forum and ask all the questions you need to answer!

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