

# MacTechnics Newsletter for May/June 2024



## I. APPLE NEWS

# Apple WWDC Highlights

## **A. New iPads Don't Come With Apple Stickers in the Box**

**Wednesday May 8, 2024** 10:29 am PDT by Joe Rossignol

The new iPad Pro and iPad Air models unveiled this week do not include Apple stickers in the box, as a result of Apple's commitment to removing all plastic from its product packaging, according to an Apple Store memo obtained by 9to5 Mac.

If you really want a sticker, the report said you can still ask an employee for one while purchasing a new iPad Pro or iPad Air at an Apple Store.

Apple also does not include stickers with the Vision Pro headset, but the new MacBook Air models released in March do come with them, so it appears that Apple is still in the process of gradually phasing out Apple stickers in the box for its latest products. Apple previously announced that it aimed to achieve plastic-free packaging by 2025.

**Buyer's Guide: iPad Pro (Buy Now)**

# **B. Everything Announced at May's Apple Event**

**Tuesday May 7, 2024** 1:06 pm PDT by Juli Clover

Apple today held the first event of 2024, debuting new iPad Air and iPad Pro models and accompanying accessories. While the event was faster than normal and took 40 minutes, we've condensed it down even further for those who want a quick overview of everything that was announced.

**We've also got a full recap of all of the coverage that we did today for those who want a deeper dive into what's new.**

## **iPad Pro**

**Apple Announces New iPad Pro With M4 Chip, OLED Display, and More**

**Apple Debuts Next-Generation M4 Chip**

**iPad Pro's \$100 Nano-Texture Glass Option Only Available With 1TB and 2TB Models**

**iPad Pro With 1TB+ Storage Has 16GB RAM, Other Models Have 8GB**

**New iPad Pro With All Options Costs Over \$3,000**

**Apple's New iPad Pro Models Weigh Less Than iPad Air Models**

**New iPad Pro Lacks mmWave 5G and Ultra-Wide Camera**

**Hands-On With iPad Pro in Space Black: Apple's Thinnest Product Ever**

**New iPad Pro Supports Lower Refresh Rate, But Still Lacks Always-On Display**

**iPad Pro 2022 vs. iPad Pro 2024 Buyer's Guide: 25 Differences Compared**

## **iPad Air**

**Apple Announces New M2 iPad Air Models in 11-Inch and 13-Inch Sizes From \$599**

**New 2024 iPads Still Have 10 Hours of Battery Life**

**iPad Air 2022 vs. iPad Air 2024 Buyer's Guide: 19 Differences Compared**

## **Magic Keyboard**

**Apple Announces Redesigned Magic Keyboard for New iPad Pro Starting at \$299**

## **Apple Pencil**

**Apple Pencil Pro Unveiled With New Squeeze Gesture, Haptic Feedback, Find My, and More**

**Here's the Apple Pencil Lineup With New Pro Model  
Other Announcements**

**Apple Event Live Blog: New iPad Pro, iPad Air, and More  
Here's Apple's Full iPad Lineup With New iPad Pro and  
iPad Air Models**

**Apple's New Cellular iPad Air and iPad Pro Models Are  
eSIM Only**

**iPad 9 Discontinued, iPad 10 Now Starts at \$349**

**Apple Introduces Logic Pro 2 With New AI Features**

**Apple Debuts New Final Cut Pro for iPad and Final Cut  
Camera App**

**Apple Launches New Smart Folio Cases for M4 iPad Pro  
and M2 iPad Air**

**The iPad Air and iPad Pro models are can be ordered as of  
today, with deliveries set to begin on Wednesday, May 15.  
Pricing on the iPad Air starts at \$599 and pricing on the iPad  
Pro starts at \$999.**

## **C. Apple's AI reveal 'changes the game,' analyst says**

During [Apple's annual Worldwide Developers Conference](#) (WWDC), the company announced its new AI initiative, Apple Intelligence, which includes a major AI-powered update to Siri and AI tools for a range of Apple apps. And just before

the WWDC keynote address wrapped up, [Apple finally unveiled that it is partnering with OpenAI](#) to integrate ChatGPT 4-o into its latest iPhone operating system (iOS 18), iPadOS 18, and **macOS Sequoia**.

## **D. Apple Just Made It Easier to Get Away With Sneaky Stuff**

For years, Apple has tried to make privacy a core part of its brand. The keyword here is “tried,” since multiple investigations (including one from Gizmodo) have shown that the company doesn’t always live up to its lofty privacy promises. As part of its annual Worldwide Developers Conference, Apple rolled out several new features that aim to offer enhanced digital protections for MacOS, iOS, and iPadOS users.

# **E. Everything Apple Announced at WWDC 2024 in Nine Minutes**

**Monday June 10, 2024 7:59 pm PDT by Juli Clover**

**Apple crammed an overwhelming number of new features into its WWDC 2024 keynote event, introducing Apple Intelligence, iOS 18, iPadOS 18, macOS Sequoia, visionOS 2, watchOS 11, and tvOS 18. It was hard to keep up with everything that Apple highlighted, so we did a video of all of the new additions you won't want to miss.**

# **F. Apple and Canon Announce Mirrorless Camera Lens Designed for**

# Spatial Video Capture

**Monday June 10, 2024 5:43 pm PDT by Hartley  
Charlton**

**Apple and Canon today announced the development of a new mirrorless camera lens designed to capture spatial video for the Vision Pro headset.**

**Canon's RF-S7.8mm F4 STM DUAL lens is specifically intended to capture spatial video content, tailored for use with Apple's Vision Pro headset. The new lens is designed for the Canon EOS R7 camera and features dual optics, mimicking the human field of view.**

**The RF-S7.8mm F4 STM DUAL lens features a high-speed autofocus mechanism, ensuring that even in challenging lighting conditions, videographers can capture clear spatial video. After recording, the footage can be processed using Canon's EOS VR Utility app, which transforms the video into spatial content optimized for the Vision Pro.**

**The announcement marks a significant step in the effort to create more content for the Vision Pro. The RF-S7.8mm F4 STM DUAL lens is set to be available later this fall, with pricing details yet to be announced**



# II. APPLE HARDWARE

## **A.** What's New With the iPad Pro Magic Keyboard

**Thursday May 9, 2024** 1:44 pm PDT by Juli Clover

With the iPad Pro, Apple introduced an overhauled version of the Magic Keyboard to add new features that make using an iPad Pro feel more like using a Mac. If you're thinking about buying one of the new iPad Pro models and don't know if you should get a keyboard, this article walks through all of the new features.

### Design

Apple hasn't changed the underlying look of the Magic Keyboard, and it continues to use the floating cantilever design introduced with the prior version.

A magnetic back connects to the iPad, allowing for multiple viewing angles by adjusting the amount of tilt. The iPad hovers over the keyboard and palm rest, which is now made from aluminum, much like the MacBook.

The keys are backlit and use a scissor mechanism with 1mm of travel, the same as the prior-generation model. The outer cover provides front and back protection to keep the iPad safe when traveling.

### Function Keys

**The updated Magic Keyboard has a dedicated row of function keys for increasing and lowering brightness, changing the volume, controlling media playback, locking the display, initiating a search, turning on Do Not Disturb, starting dictation, and more.**

**The function row is similar to the function row on the Mac.**

### **Trackpad**

**Apple made the trackpad from glass and increased the size, making it easier to work with. The trackpad supports haptic feedback, allowing for multi-touch gestures and improving precision-based tasks like editing spreadsheets and selecting text.**

### **Colors**

**The Magic Keyboard comes in black and white.**

### **Passthrough Charging**

**While the Magic Keyboard uses the Smart Connector on the iPad to connect, there is an included USB-C port that can be used for passthrough charging.**

### **Compatibility**

**The new Magic Keyboard is compatible with the M4 iPad Pro models, and it comes in 11-inch and 13-inch sizes. It does not work with other iPad models, and the prior version of the Magic Keyboard does not work with the M4 iPad Pro models.**

### **Price**

**The 11-inch version of the Magic Keyboard is priced at \$299, and the 13-inch model is \$349.**

## **B. Logitech Launches Keyboard**

### **Cases for New iPad Air and iPad Pro Models**

Thursday May 9, 2024 11:22 am PDT by Juli Clover

Popular accessory maker Logitech this week announced new keyboard case options that are designed for Apple's iPad Air and iPad Pro models, offering an alternative to the more expensive Magic Keyboard options from Apple.

The Logitech Combo Touch is compatible with both sizes of the iPad Air and the two thin and light iPad Pro models. Logitech says that the Logitech Combo Touch is its lightest keyboard to date, improving portability and limiting the bulk added to a tablet setup.

The Combo Touch comes with a detachable keyboard and flexible kickstand for multiple use modes. It can be used for typing in the standard keyboard mode, or folded in a way that allows for sketching, reading, and Apple Pencil use.

There is a multi-touch trackpad, which Logitech says offers intuitive and precise input and navigation. There are auto-backlit keys in a standard layout with sixteen brightness levels.

Shortcut keys allow easy access to volume control, media playback, screenshots, and more, plus there is a Smart Connector for connectivity so there's no need for Bluetooth.

The Combo Touch for the 11-inch iPad Air is \$200, while the Combo Touch for the 13-inch model is \$230. The iPad Pro versions are priced at \$230 and \$260, respectively, for the 11-inch and 13-inch models. The keyboards can be purchased from the Logitech website.

## **C. Apple Pencil Pro: All the New Features**

Thursday May 9, 2024 10:03 am PDT by Juli Clover

Apple this week debuted the Apple Pencil Pro, marking the first major revision to the Apple Pencil lineup since the 2018 launch of the Apple Pencil 2. There are some major changes that were introduced with the new accessory, including new gestures and capabilities.

### **Squeeze**

The squeeze gesture allows the Apple Pencil Pro to sense when pressure is applied to the sides of the device. Using squeeze brings up a palette so that you can do things like switch tools, line weights, and colors.

Developers can customize how apps react to the squeeze gesture so it can bring up custom controls in each app.

### **Barrel Roll**

There is a gyroscope in the Apple Pencil Pro that allows the rotation of the barrel to change the orientation of certain tools. It basically offers much more precise control of shaped pen and brush tools, similar to how a real pen or brush would function when you tilt it while drawing or sketching.

### **Haptic Feedback**

A built-in haptic engine offers haptic feedback when using the Apple Pencil Pro's gestures. A light haptic pulse will respond when using a squeeze or double-tap gesture, plus there is feedback when using the snap to a Smart Shape feature.

### **Find My**

Find My is available for the Apple Pencil Pro so it can be tracked right alongside the iPad and other devices in the Find My app.

### **Charging and Pairing**

The Apple Pencil Pro attaches to the side of the iPad Pro or the iPad Air, and the magnetic connection enables automatic pairing and charging. There is a new magnetic interface that is available on the 2024 iPad Pro models.

### **Existing Features**

Current Apple Pencil features like Apple Pencil hover and double tap are supported. Hover lets you preview where the Apple Pencil will touch down on the display before a mark is made, while double tap can be used for swapping between tools.

Low latency, tilt sensitivity, and pressure sensitivity are all included features.

### **Compatibility**

The Apple Pencil Pro is compatible with the M2 iPad Air models and the M4 iPad Pro models, so it only works with the May 2024 iPads.

### **Price**

The Apple Pencil Pro is priced at \$129, which is also the cost of the Apple Pencil 2.

# **D.**

# III. APPLE SOFTWARE

## A. MacOS 15

Sequoia Announced:

See the New

Features Heading to

your Mac This Fall

B. Which Macs  
support macOS

**15? This year, it's  
simple ...**

**C. Here's every  
MacOS 15 Sequoia  
feature announced  
at WWDC 2024**

Apple dropped a ton of new features for MacOS at this year's Worldwide Developer's Conference. Let's break down the biggest ones.

**D. macOS 15  
Sequoia superguide:**

# **Everything you need to know about the Mac update**

Here's what you need to know about macOS 15, including when the macOS 15 beta will be out, what new features to expect on your Mac, and the release date of macOS 15.

## **E. What is Apple Intelligence? Here's how iOS 18's AI features will change the way you use**

# your iPhone, Mac, and iPad

## IV. DEALS

### A. Best Buy Introduces First Discounts on M4 iPad Pro for Members

**Wednesday May 8, 2024** 1:16 pm PDT by Mitchel Broussard

Best Buy has the first discounts we've tracked on the brand new M4 iPad Pro, available exclusive to My Best Buy Plus and My Best Buy Total members. If you are a member, you'll find \$50 off nearly every model of these new tablets at Best Buy.

Note: MacRumors is an affiliate partner with Best Buy. When you click a link and make a purchase, we may receive a small payment, which helps us keep the site running.



With this discount, the 256GB Wi-Fi 11-inch iPad Pro is available for \$949.00, down from \$999.00. The 256GB Wi-Fi 13-inch iPad Pro is available for \$1,249.00, down from \$1,299.00. You'll also find the same \$50 discounts on higher storage models with the Nano-texture glass option.

Note: You need a My Best Buy Plus/Total membership to see these deals.

**\$50 OFF**  
**M4 iPad Pro at Best Buy**

Shoppers should note that these are pre-order prices at Best Buy, and the M4 iPad Pro is set to launch next Wednesday. If you're looking for more details about the M4 iPad Pro, be sure to check out our recap article of this week's Apple event. Be sure to visit our full Deals Roundup to shop for even more Apple-related products and accessories.

## **B. Amazon Prime**

# **Day 2024: Everything**

# **You Need To Know**

Once again, you will be treated to the two biggest shopping days of the

**summer and some of the best deals on electronics courtesy of Amazon. It's like Black Friday in July! By PCMag Staff**  
**Updated May 17, 2024**

## **V. IOS KORNER**

### **A. 10 Reasons to Wait for Next Year's iPhone 17**

Thursday May 9, 2024 9:00 am PDT by Tim Hardwick

Apple's iPhone development roadmap runs several years into the future and the company is continually working with suppliers on several successive iPhone models concurrently, which is why we sometimes get rumored feature leaks so far ahead of launch. The iPhone 17 series is no different, and already we have some idea of what to expect from Apple's 2025 smartphone lineup.

If you plan to skip this year's iPhone 16, or if you're just plain curious about what's on the horizon, here are 10 rumored features that we are expecting to arrive in time for its successor, the iPhone 17 series, which is likely to be released in September 2025.

### **1. Under-Display Face ID**

#### **iPhone 17 Pro & iPhone 17 Pro Max**

The iPhone 17 Pro is expected to be the first iPhone to feature under-panel Face ID technology. The only external indication of the under-display Face ID technology will likely be a circular cutout for the front-facing camera. This will probably be Apple's last premium model to include a circular cutout for the front-facing camera. Apple is then expected to adopt under-display cameras in 2027's "Pro" iPhone models for a true "all-screen" appearance.

### **2. New Display Sizes**

#### **iPhone 17 & iPhone 17 Plus**

This year's iPhone 16 Pro and iPhone 16 Pro Max are rumored to be getting bigger display sizes, going from 6.12- and 6.69-inches to 6.27- and 6.86-inches, respectively. For 2025, Apple is also expected to bring the larger 6.27-inch display size to its standard iPhone model, while the equivalent "iPhone 17 Plus" model could adopt completely new display dimensions.

### **3. 120Hz ProMotion (Always-on Display)**

#### **iPhone 17 & iPhone 17 Plus**

Apple intends to expand ProMotion to its standard models in 2025, allowing them to ramp up to a 120Hz refresh rate for smoother scrolling and video content when necessary. Notably, ProMotion would also enable the display on the iPhone 17 and iPhone 17 Plus to ramp down to a more power-efficient refresh rate as low as 1Hz, allowing for an always-on display that can show the Lock Screen's clock, widgets, notifications, and wallpaper even when the device is locked.

### **4. Apple-Designed Wi-Fi 7 Chip**

#### **iPhone 17 Pro & iPhone 17 Pro Max**

Apple's premium 2025 models are expected to be equipped with an Apple-designed Wi-Fi 7 chip for the first time. Wi-Fi 7 support would allow the "Pro" models to send and receive data over the 2.4GHz, 5GHz, and 6GHz bands simultaneously with a supported router, resulting in faster Wi-Fi speeds, lower latency, and more reliable connectivity. The Wi-Fi chip would also allow Apple to further reduce its dependence on external suppliers like Broadcom, which currently supplies Apple with a combined Wi-Fi and Bluetooth chip for iPhones.

### **5. 48MP Telephoto Lens**

#### **iPhone 17 Pro Max**

An upgraded 48-megapixel Telephoto lens on Apple's largest premium device is expected to be optimized for use with Apple's upcoming Vision Pro headset, which launches on February 2, 2024. (The current iPhone 15 Pro models feature 48-megapixel main, 12-megapixel ultra wide, and 12-megapixel telephoto lenses.) That would make 2025's "Pro Max" the first iPhone to have a rear camera system

composed entirely of 48-megapixel lenses, making it capable of capturing even more photographic detail.

## **6. 24MP Selfie Camera**

### **All iPhone 17 Models**

The iPhone 17 lineup will feature a 24-megapixel front-facing camera with a six-element lens, according to one rumor. The iPhone 14 and 15 feature a 12-megapixel front-facing camera with five plastic lens elements, and this year's iPhone 16 lineup is expected to feature the same hardware. The upgraded resolution to 24 megapixels on the iPhone 17 will allow photos to maintain their quality even when cropped or zoomed in, while the larger number of pixels will capture finer details. The upgrade to a six-element lens should also slightly enhance image quality.

## **7. Scratch Resistant Anti-Reflective Display**

### **All iPhone 17 Models**

The iPhone 17 will feature an anti-reflective display that is more scratch-resistant than Apple's Ceramic Shield found on iPhone 15 models, according to one rumor. The outer glass on the iPhone 17 is said to have a "super-hard anti-reflective layer" that is "more scratch-resistant." It's not clear whether Apple is planning to adopt the Gorilla Glass Armor that Samsung uses in its Galaxy S24 Ultra, but the description of Corning's latest technology matches the rumor.

## **8. More Memory**

### **iPhone 17 Pro & iPhone 17 Pro Max**

Apple's Pro models next year will come with 12GB of RAM, claims Jeff Pu of investment firm Haitong. For comparison, the iPhone 15 Pro models have 8GB of RAM, while the iPhone 16 Pro models are also expected to have 8GB of RAM. Any such increase would allow for improved multitasking on the iPhone, as well as provide additional resources for any artificial intelligence features that require large-language models to be resident in memory.

## **9. Smaller Dynamic Island**

### **iPhone 17 Pro Max**

Apple's highest-end 2025 iPhone will feature a significantly narrower Dynamic Island, thanks to the device's adoption of a smaller "metalens" for the Face ID system, claims Haitong's Jeff Pu. Assuming that's the case, it would be the first time that Apple has changed the Dynamic Island since it debuted on the iPhone 14 Pro in 2022.

## **10. iPhone 17 "Slim"**

### **iPhone 17 Plus**

Apple's iPhone 17 Plus will feature a 6.55-inch display, according to analyst Ross Young of Display Supply Chain Consultants (DSCC). Responding to a claim by Jeff Pu that the iPhone 17 Plus will be replaced by an "iPhone 17 Slim," Young said to expect a reduction of 2% over the previous, current, and next-generation models. Based on his logic, a smaller display would help differentiate the larger iPhone 17 model from the iPhone 17 Pro Max, while remaining larger than the iPhone 17 and iPhone 17 Pro.

## **B.** Apple unveils iOS 18 with new home screen customization, Control Center revamp, more

## **C.** iPad Air vs. iPad Pro Buyer's Guide: 30+ Differences Compared

Thursday May 9, 2024 7:00 am PDT by Hartley Charlton

The iPad Air is now available in two size options, just like the iPad Pro. Yet after a significant update to the iPad Pro that introduces a thinner design and OLED displays, how different are the two product lines and which should you buy?

The introduction of the fourth-generation iPad Air in September 2020 brought the device much closer to the iPad Pro in terms of design, and with the most recent model, the iPad Air gained the same M2 chip and Apple Pencil hover support as the previous iPad Pro, bringing them even closer together. The latest iPad Pro models introduced a large number of significant new changes, such as the M4 chip, OLED displays, and a higher price point, and it means that the high-end iPad models are now further differentiated from the iPad Air than before.

Should you consider purchasing the iPad Air to save money, or do you need the high-end features of the iPad Pro? Our guide answers the question of how to decide which of these two iPads is best for you.

**iPad Air (M2, 2024)**

**iPad Pro (M4, 2024)**

**Liquid Retina display**

**LED backlit Multi-Touch display with IPS technology**

**Ultra Retina XDR display**

**Tandem OLED**

**ProMotion technology for refresh rates up to 120Hz**

**SDR brightness: 600 nits max**

**SDR brightness: 1,000 nits max**

**XDR brightness: 1,000 nits max full screen, 1,600 nits peak (HDR content only)**

**Nano-texture display glass option on 1TB and 2TB models**

**M2 chip (5nm, N5P)**

**M4 chip (3nm enhanced, N3E)**

**8-core CPU**

**Up to 10-core CPU**

**Hardware-accelerated ray tracing**

**Hardware-accelerated H.264 and HEVC**

**Hardware-accelerated 8K H.264, HEVC, ProRes, and ProRes RAW**

**ProRes encode and decode engine**

**AV1 decode**

**100GB/s memory bandwidth**

**120GB/s memory bandwidth**

**8GB of memory**

**8GB or 16GB of memory**

**Improved thermal design with graphite sheets and copper**  
**Touch ID in top button**  
**TrueDepth camera system for Face ID**

**Portrait mode with advanced bokeh and Depth Control**

**Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono)**

**Animoji and Memoji**

**LiDAR scanner**

**Adaptive True Tone flash**

**Rear ambient light sensor**

**ProRes video recording up to 4K at 30 fps (1080p at 30 fps for 256GB capacity)**

**ProRes video recording up to 4K at 60 fps with external recording**

**Two microphones**

**Four studio-quality microphones**

**Audio zoom**

**Stereo recording**

**Landscape stereo speakers**

**Four speaker audio**

**Weight: 462 grams or 617 grams**

**Weight 444 grams or 579 grams**

**Depth: 6.1 mm**

**Depth: 5.3 mm or 5.1 mm**

**USB-C connector**

**USB-C connector with support for Thunderbolt / USB 4**

**Supports Magic Keyboard**

**Supports Magic Keyboard for iPad Pro (M4)**

**128GB, 256GB, 512GB, or 1TB storage**

**256GB, 512GB, 1TB, or 2TB storage**

**Available in Space Gray, Starlight, Purple, and Blue**

**Available in Space Black and Silver**

**Price starting at \$599**

**Price starting at \$999**

Overall, the iPad Air is the better option for the majority of users, simply on the basis of value for money. For most people, the additional \$400+ needed to buy the iPad Pro is not justified to get the likes of Face ID, four-speaker audio, and a ProMotion OLED display with refresh rates up to 120Hz.

Some iPad Pro features, such as LiDAR, up to 16GB of memory, and Thunderbolt connectivity are only practically useful to a small niche of users and most will never use some of these high-end capabilities. Many features such as Audio zoom and stereo audio recording may not be meaningfully utilized by many users. Professionals who have a clear use case for needing larger amounts of RAM and storage, a matte display, Thunderbolt connectivity, and OLED for HDR content will clearly benefit from buying the iPad Pro. That being said, "prosumer"-style customers who simply want the best iPad will enjoy features such as 120Hz ProMotion for smoother scrolling and gaming, deeper blacks and more vivid colors with the OLED display, and the Adaptive True Tone flash for document scanning, even if they are not necessary.

Beyond these individual circumstances, the iPad Air is the best value for money and will be more than ample for most users' needs. With the iPad Air, users can get a modern all-screen design, the M2 chip, practical features like USB-C and 5G connectivity, and compatibility with the core Apple accessories for a price well below that of the iPad Pro.

Related Roundups: [iPad Air](#) , [iPad Pro](#)

Buyer's Guide: [iPad Air \(Buy Now\)](#), [iPad Pro \(Buy Now\)](#)

# D. 2024 iPad Pro: Best New Features

Wednesday May 8, 2024 11:43 am PDT by Juli Clover

Apple finally refreshed the iPad Pro, and the new feature set was worth the wait. From new OLED display technology to



**the M4 chip, the 2024 iPad Pro is undeniably impressive. We've rounded up some of the most notable changes worth considering when deciding rather to upgrade.**

**play**

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**OLED display - Both the 11-inch and 13-inch iPad Pro models have an Ultra Retina XDR display that uses tandem OLED technology, which is basically two displays stacked on top of one another. You can expect brighter highlights, deeper true blacks, and better detail in shadows and low light content, plus there's an option for matte nano-texture to cut down on glare.**

**M4 chip - The M4 is built using a second-generation 3-nm process with three or four performance cores and six efficiency cores. CPU performance is up 1.5x compared to the M2, and the GPU has hardware-accelerated mesh shading and ray tracing. The M4 also has the most powerful Neural Engine ever that's capable of 38 trillion operations per second.**

**Thin design - Measuring in at 5.1mm, the 13-inch iPad Pro is the thinnest device that Apple has made to date, thinner even than the iPod nano. The 11-inch model isn't much thicker at 5.3mm, and both have slim bezels for maximum screen space. The 11-inch model weighs under a pound, and the 13-inch model is just over.**

**Camera - Apple moved the front camera to the landscape side of the iPad Pro, so it's in the right position for FaceTiming and video calls when it's attached to a keyboard.**

**Accessories - There's a new Magic Keyboard and an Apple Pencil Pro that go along with the iPad Pro. The keyboard has a larger trackpad with haptic feedback, an**

aluminum palm rest, and a function row for brightness and volume control. The Apple Pencil Pro has a squeeze gesture for selecting tools, haptic feedback, and a gyroscope that adds support for rolling the Apple Pencil for more precise control.

Removed features - Apple did drop some options from the latest iPad Pro models. There's no more mmWave 5G chip and it's limited to sub-6GHz, plus there's no SIM slot so it's eSIM only for cellular models. Apple also removed the Ultra Wide camera, so there's just a single-lens 12-megapixel camera and LiDAR sensor in the new models. Sticker fans are out of luck too, because Apple isn't including them in the box.

If you have an M2 iPad Pro, the M4 probably isn't worth the update, but for anything older, it's a major upgrade that adds a slew of new features.

**Buyer's Guide: iPad Pro (Buy Now)**

# **E. iPad Air 2022 vs. iPad Air 2024 Buyer's Guide: 19 Differences Compared**

Tuesday May 7, 2024 11:37 am PDT by Hartley Charlton  
Apple's new iPad Airs arrive almost a year and a half after the previous models, offering almost 20 changes and upgrades.

**The 2022 iPad Air was a minor upgrade that added features such as the M1 chip and a 12MP Ultra Wide front-facing camera with Center Stage. The 2024 refresh is more substantial, headlining with a larger size option for the first time, bringing it in line with devices like the iPad Pro, MacBook Air, and MacBook Pro, which are available in two sizes.**

**The 2022 iPad Air models have now been discontinued by Apple, but they may still be found refurbished and with third-party resellers for lower prices. As such, some customers may be weighing up whether to buy the 2022 iPad Air or the new 2024 models.**

**The iPad Airs from 2022 and 2024 share most of their key features, so should you consider buying or sticking with the older model to save money? This breakdown also serves as a way to clearly see all the differences that the new iPad Air brings to the table.**

**iPad Air (2022)**

**iPad Air (2024)**

**10.9-inch display**

**11- or 13-inch display**

**M1 chip (5nm, N5)**

**M2 chip (5nm enhanced, N5P)**

**3.2GHz CPU clock speed**

**3.49GHz CPU clock speed**

**8-core GPU**

**10-core GPU**

**68.25GB/s memory bandwidth**

**100GB/s memory bandwidth**

**Neural Engine**

**40% faster Neural Engine**

**Media engine for hardware-accelerated H.264 and HEVC**

**Media engine for hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW**

**Video decode engine**

**Higher-bandwidth video decode engine**

**ProRes encode and decode engine**  
**Image signal processor (ISP)**  
**"New" image signal processor (ISP)**  
**Smart HDR 3**  
**Smart HDR 4**  
**12MP Ultra Wide front-facing camera**  
**Landscape 12MP Ultra Wide front-facing camera**  
**Wi-Fi 6 connectivity**  
**Wi-Fi 6E connectivity**  
**Physical SIM card slot**  
**eSIM only**

**Apple Pencil hover**  
**Supports Apple Pencil (USB-C) and Apple Pencil (2nd generation)**  
**Supports Apple Pencil (USB-C) and Apple Pencil Pro**  
**Supports Magic Keyboard for iPad and Smart Keyboard Folio**  
**Supports Magic Keyboard for iPad**  
**64GB or 256GB storage**  
**128GB, 256GB, 512GB, or 1TB storage**  
**Available in Space Gray, Starlight, Pink, Purple, and Blue**  
**Available in Space Gray, Starlight, Purple, and Blue**

**The most important part of the new iPad Air is the larger display size option, which provides a way for customers who don't need features like ProMotion and a LiDAR scanner to obtain a bigger screen that's better for productivity and content consumption at a lower price point. Beyond this larger new model, the M2 chip, Apple Pencil hover and Apple Pencil Pro support, and landscape front-facing camera are valuable improvements. That being said, it is certainly not essential to upgrade from the previous model to the new iPad Air. Unless you have an entry-level iPad or an iPad Air from before 2020, or explicitly want a 13-inch model, it is likely not worth upgrading.**

**Buyer's Guide: iPad Air (Buy Now)**

# **F. Hands-On With iPad Pro in Space Black: Apple's Thinnest Product Ever**

**Tuesday May 7, 2024 10:35 am PDT by Joe Rossignol**

**There are two notable design changes for the new iPad Pro models introduced today: they are the thinnest Apple products ever released, and they are available in a new Space Black finish that debuted on the MacBook Pro last year.**

**Apple gave the media some hands-on time with the new iPad Pro models, and we have rounded up real-world photos and videos of the devices below.**

**The new 11-inch iPad Pro is just 5.3mm thick, and the 13-inch model is even thinner at 5.1mm.**

**There is also a new Magic Keyboard for the new iPad Pro models that features an aluminum palm rest and a larger trackpad. The keyboard is available in Black and White color options, which have Space Black and Silver palm rests, respectively.**

Last, the new Apple Pencil Pro looks very similar to the second-generation Apple Pencil.

## **G. [The Best iPad Apps for 2024](#)**

Are you eager to purchase the new iPad Air or iPad Pro? Transform Apple's versatile tablet into a movie theater, PDF reader, or video editing station using our expertly curated list of apps for work or play.

By Jeffrey L. Wilson & Jordan Minor  
Updated May 10, 2024

## **H. [2024 iPad Pro: The Top 5 Features to Try First](#)**

Apple's latest iPad Pro packs a ton of upgrades inside and out. These are the ones you should check out now.

By Eric Zeman  
Updated May 15, 2024

# **I. How to** **Change Password** **Managers on** **iPhone**

**Apple does just about everything for you, including setting up a password manager. But what if you want to choose your own? We show you how.**

**By Edward Mendelson  
Updated May 15, 2024  
(Credit: Zain bin Awais)**

**Everyone hates passwords, and everyone likes password autofill, the browser feature that automatically enters the password you've forgotten for the site or app that you need to log in to. Apple devices use Apple's Keychain secure storage system for autofilling passwords, but you don't have to use Keychain if you prefer a third-party password manager. Anyone who uses both Windows and Apple**

devices has a strong reason to use a third-party cross-platform password manager. The problem is changing password managers on your iPhone is not obvious, but it's not hard.

We tell you how to change password managers using 1Password; the same procedure applies to any third-party password app that supports autofill.

## **J. Hands-on:** **Here's the new** **Passwords app in** **iOS 18**

## **K. Revealed: iOS 18** **Will Be Compatible**



# With These iPhone Models

Monday June 10, 2024 3:57 am PDT by Tim Hardwick  
iOS 18 will be compatible with the same iPhone models as iOS 17, according to a post on X today from a private account with a proven track record of sharing build numbers for upcoming iOS updates.

iOS 18 will be compatible with the iPhone XR, and hence also the iPhone XS and iPhone XS Max models with the same A12 Bionic chip, but older iPhone models will miss out. Here is the full compatibility list for iOS 18:

- iPhone 15
- iPhone 15 Plus
- iPhone 15 Pro
- iPhone 15 Pro Max
- iPhone 14
- iPhone 14 Plus
- iPhone 14 Pro
- iPhone 14 Pro Max
- iPhone 13
- iPhone 13 mini
- iPhone 13 Pro
- iPhone 13 Pro Max
- iPhone 12
- iPhone 12 mini
- iPhone 12 Pro
- iPhone 12 Pro Max
- iPhone 11

- iPhone 11 Pro**
- iPhone 11 Pro Max**
- iPhone XS**
- iPhone XS Max**
- iPhone XR**
- iPhone SE (2nd generation)**
- iPhone SE (3rd generation)**

**Apple is expected to announce iOS 18 at its Worldwide Developers Conference, which begins June 10, and the update should be released to all users with a compatible iPhone in September.**

**It's worth noting that iOS 18 will feature an AI-powered overhaul of Apple's iPhone operating system dubbed "Apple Intelligence," and at least some of these features will not be supported on older iPhone models.**

**The same source says iPadOS 18 will drop support for the 10.5-inch iPad Pro and second-generation 12.9-inch iPad Pro, which use the A10X Fusion chip. The sixth-generation iPad is also being dropped from the compatibility list, but the seventh-generation iPad will still be supported.**

**To kick off WWDC 2024, Apple will hold a keynote event on the Monday at 10:00 a.m. Pacific Time to announce the new software. For those unable to watch the live stream, or who prefer to read a text version of the announcements, we'll have live coverage both here on MacRumors.com and through our MacRumorsLive X (Twitter) account, so make sure to follow.**

## **VI. TIPS & TRICKS**

# **A. Here's How to Check Your iPhone's Battery Health**

**Wednesday May 8, 2024 8:15 am PDT by Tim Hardwick**

**Earlier this year, Apple retested the batteries of its iPhone 15 models and updated its battery life claims for the entire series, suggesting that they offer better longevity than previously thought. Curious about the battery health of your iPhone 15? Here's how to check it.**

**Apple in February 2024 updated the technical specifications for the batteries in the iPhone 15, iPhone 15 Plus, iPhone 15 Pro, and iPhone 15 Pro Max. According to its latest tests, Apple says that the devices' batteries are designed to retain 80% of their original capacity at 1,000 complete charge cycles under ideal conditions.**

**It's a significant improvement over the 500 charge cycles that the company advertises for all older iPhone models over the same cycle count.**

**iPhone 15 models also include a Battery Charging Optimization feature, so if you regularly charge your iPhone up at night while you're asleep, the device can limit its charging to 80%, and then wait for an hour or so before you wake up to charge the remaining 20%. This keeps the iPhone at an optimal capacity for battery health by reducing the amount of time that it's sat on your charger at 100% charged, which can reduce its life over time. If you have an iPhone 15 with iOS 17.4 or later installed, you can get more specific information on the battery health of your device in the following way:**

**Open the Settings app.**

**Scroll down and tap Battery.**

**Check the readout next to "Battery Health." For more details including your device's battery cycle count, manufacture date, and first use date, simply tap the readout. (In earlier versions of iOS 17, this information was hidden in the General → About section of the Settings app).**

**Apple says that the battery lifespan of any iPhone model ultimately depends on how the device is regularly used and charged. While the "Maximum Capacity" readout will give you a good indication of your iPhone's battery health, it's worth tapping on**

the blue text that says "About Battery & Warranty," which will give you more information on the likely battery lifespan of your device based on how it's used.

Battery life depends on a number of variables, but if you think you have an issue, it's worth remembering that the standard one-year AppleCare+ warranty on an iPhone includes service for defective batteries. Depending on where you are, local consumer laws might even give you cover beyond the standard 12 months, so don't be shy to ask at an Apple Store if you think there's a problem.

## **B. How to Keep Your Apple AirPods From Slipping Out of Your Ears**

Do Apple's AirPods fall out of your ears or hurt after you wear them? Don't give up. Here are a few DIY fixes and third-party solutions to get Cupertino's wireless earbuds to stay in your ears.

## **C.** [How to Clean Your AirPods the Right Way](#)

Keep your AirPods looking and sounding their best with these safe, effective cleaning tips.

## **D.** [85 Hidden iPhone Tricks Most People Don't Know About](#)

Think you know Apple's iOS inside out? There's plenty more to uncover with these expert tips and tweaks to help unlock your iPhone's full potential.

**E. [40 Hidden iPhone Tips and Tricks You Should Try in 2024](#)**

**F. [iOS 15 Features, Tips, and Tricks You Probably Don't Know](#)**

**G. [20 iOS 17 tips and tricks: the ultimate iPhone cheat sheet](#)**

**H. [10 Actually useful Mac tips & tricks!](#)**

**I. [15 Mac Tips and Tricks You NEVER Knew Existed](#)**

**J. [A collection of tutorials, tips, and tricks from the 9to5Mac team helping you fix and get the most out of everything Apple.](#)**

## **VII. MISCELLANEOUS**

**A.**



**B.**