Product announcements from Apple: October 2024

New iPad Mini plus new iMacs, plus new Mac Mini's and finally new Macbook Pros. Oh a surprise tweak to a previously updated Mac.

Introduction

- Apple did not hold a traditional online event for the new Apple hardware products.
- Instead they had Oct 15th press announcement for the new iPad mini 7, then starting Monday Oct 28th though Wednesday Oct 30th the has press announcements one each day for the iMac, Mac Mini, and Macbook Pro.
- They do have ~10 to 16 minute videos with the iMac, Mac Mini, and Macbook Pro on Apples website. These could have been part of a hour plus event if the held it
- Finally the one clear point seems to be that Apple Intelligence (Apple's name for Artificial Intelligence), for the future at least; seems to require memory of 8 GB on IOS devices and 16 GB on Mac devices.
 - This may be a issue for those who purchased devices previously that did not have this amount

New iPad Mini

- Lets first review Apple's iPad models for context.
- ipad (10th Generation) : Entry Level 11 inch diagonal screen, A14 Processor, Wifi and Wifi and Cellular models. Updated May 2024
- ipad Air (M2): Mid Grade 11 or 13 inch models, M2 processor, Wifi and Wifi and Cellular models. Updated May 2024
- iPad Pro (M4): Top of the line, PRO 11 or 13 inch models, M4 processor, Wifi and Wifi and Cellular models. Updated May 2024
- New iPad Mini Generation 7 Updated October 15th 2024. iPad minis are iPads in a small form factor. (8.3 inch) Colors: Blue Purple, Starlight, Space Gray



New iPad Mini Comparison

iPad Mini 6	Spec	iPad Mini 7
8.3 Inch 2266x1488	Screen Size	8.3 Inch 2266x1488
A15 Bionic	Processor	A17 Pro
64 GB or 256 GB	Storage	128 GB, 256GB or 512 GB
4 GB	Memory	8 GB
Nano sim & eSim	Sim (cellular model)	eSim
USB-C	Connection	USB-C
Apple Pencil 2 nd Gen	Pencil (separate purchase)	Apple Pencil Pro & Apple Pencil USB-C
1 - 12 MP Ultra Wide FaceTime HD, 1 - 12 MP Wide rear	Cameras	1 - 12 MP Ultra Wide FaceTime HD, 1 - 12 MP Wide rear

Per Apple the iPad Mini 7 is "is built for Apple Intelligence" Shipped Oct 23rd.

New iMacs

Announced October 28th Available Nov 8th 2024

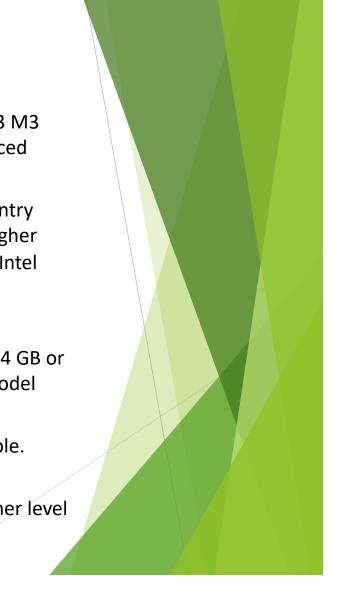


•Colors: Blue, Purple, Pink, Orange, Yellow, Green, and Silver



New iMacs (cont'd)

- Still 24 inch Retina 4.5K display: 4480 by 2520 pixels as previous 2023 M3 Model. No 27 or 30 inch version. Optional nano texture glass for reduced glare.
- Now has M4 Chip: 8 core CPU/8 core GPU/ 16 core neural engine on entry level model, 10 core CPU/10 core GPU/ 16 core neural engine on all higher level models. Apple says up to 2X faster than M1 iMacs, up to 6X over Intel iMacs.
 - ▶ Wait for 3rd party performance tests for more real world info.
- Base Memory is bumped from 8 GB to 16 GB. Options to upgrade to 24 GB or 32GB. Note 32GB not available on entry level model or on mid level model with 256 GB SSD hard drive storage
- Baseline model storage is 256 GB SSD, 512 GB and 1 TB options available. Higher level models can get a 2 TB option.
- Gigabit wired Ethernet optional on entry level model, standard on higher level monitors. Note this if you have a non wireless ethernet printer.



New iMacs (cont'd)

- Camera has been updated from a 1080P to a 12 Megapixel on all versions. The camera adds Apple's center stage that keep you framed as you move around or add additional people to the frame.
- Two thunderbolt 4 ports on the entry level model. Four thunderbolt 4 ports on the higher level models. These ports also handle USB 4 (up to 40Gb/s), USB 3.1 Gen 2 (up to 10Gb/s), and DisplayPort devices. The use the USB C type connector.
- Question of how to connect older devices with USB A style cables has come up and been answered many times in our group.



\$5.03 at Monoprice & at many others Anker USB-C Hub Has 4 USB 3 type A ports \$16 OWC USB C Dock has 2 USB, 1 HDMI, 1 SD Card slots \$35

New Mac Mini's

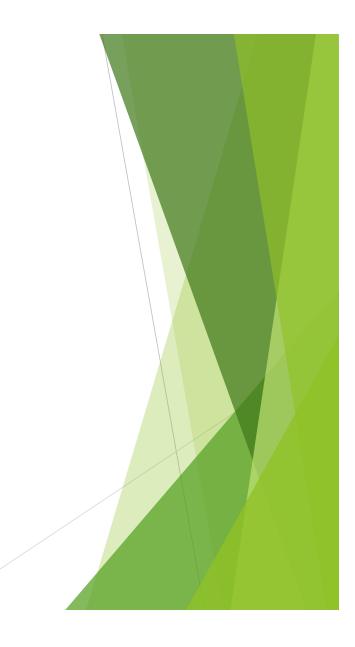
Announced October 29th Available Nov 8th 2024





•Colors: Silver

•Size: 5" X 5" X 2 " this is smaller than the previous generation Mac Mini at 7.75" X 7.75" X 1.41 " but not as small as the Apple TV at 3.66" X 3.66" X 1.2"



New Mac Mini's (cont'd)

- ▶ Big change is to Apple's M4 chip from M2.
 - ▶ M4 models have 10 core CPU/10 core GPU/ 16 core neural engine.
 - Top Line model M4 PRO has 12 core CPU/16 core GPU/ 16 core neural engine. Memory bus speed is increased to 273 GB/s from 120 GB/s For \$200 more you can step up to a 14 core CPU/20 core GPU/ 16 core neural engine
- Base Memory is now 16 GB.
 - The two high end models ship with 24GB
 - All but Top model have optional 24GB or 32 GB
 - Top Model (M4 PRO) has optional 48 or 64 GB
- Baseline storage is 256 GB SSD on low end model , 512 GB on all models higher. Available options for 512 GB (low end model), 1 TB, 2TB. The M4 Pro version can also have 4 TB or 8 TB.
- Audio: Built in speaker. 3.5mm Headphone jack on front. Multi-Channel audio over HDMI

New Mac Mini's (cont'd)

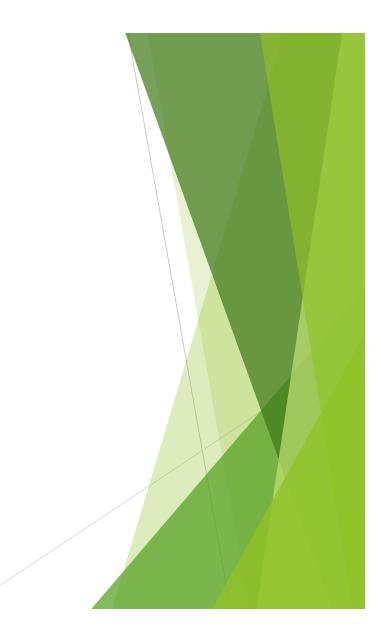
- ▶ 1 GB ethernet port on the back. Can be upgraded to 10GB ethernet.
- Connections:
 - Two USB 3 type C on front panel
 - Three Thunderbolt 4 ports on all but Top model. These can handle USB 4 and Display port functionality also
 - Top end M4 Pro has three Thunderbolt 5 ports. These can handle USB 4 and Display port functionality also
- All models can support up to three external displays.
 - Apple breaks down all the display support in their Tech Specs. Too much detail for this presentation.
- Again as with the iMac in the previous slides, there are solutions for those with USB type A devices and cables.
- Oh the biggest crisis the world has ever faced (according to some) Power button is on the bottom!!

New Macbook Pros

Announced October 30th Available Nov 8th 2024



Colors: Space Black and Silver



New MacBook Pros (cont'd)

- As with previous MacBook Pros, they are available in 14 inch (3024 X 1964) liquid retina and 16 inch (3456 X 2234) liquid retina sizes.
 - Improved brightness up to 1000 nits of brightness for SDR content.
 - > Optional Nano texture finish for reduced glare.
- Camera has been updated from a 1080P to a 12 Megapixel on all versions. The camera adds Apple's center stage that keep you framed as you move around or add additional people to the frame.
- M4, M4 Pro, and M4 Max Chips (screen size dependencies make it complicated see models next screen.
- 16 GB Memory now the default amount
- M4 models have 3 Thunderbolt 4 ports, M4 Pro and Max have 3 Thunderbolt 5 ports.
- MacBook Pros also have HDMI port (8K) and SDXC slot
- M4 and M4 Pro can support 2 external displays, M4 Max can support up to 4
- Up to 24 hour battery life M4, 22 Hour M4 Pro, 18 hour M4 Max

New Macbook Pros (cont'd)

- Base 14 inch M4 Chip: 10 core CPU/10 Core GPU/ 16 core neural engine. Has 16 GB memory. Upgrade to 24GB or 32 GB. 512 GB storage with optional 1 TB, or 2 TB.
- 14 inch M4 Pro Chip: 12 core CPU/16 Core GPU/ 16 core neural engine or upgrade to 14 core CPU/20 Core GPU/ 16 core neural engine. Has 24 GB memory. Upgrade to 48GB. 512 GB storage with optional 1 TB, 2TB or 4TB.
- 14 inch M4 Max Chip: 14 core CPU/32 Core GPU/ 16 core neural engine or upgrade to 16 core CPU/40 Core GPU/ 16 core neural engine. Has 36 GB memory. Upgrade to 64 or 128GB with 40 core GPU M4 Max chip only. 1 TB storage with optional 2 TB, 4TB or 8TB.
- Base 16 inch M4 Pro Chip (note no M4) : 14 core CPU/20 Core GPU/ 16 core neural engine. Has 24 GB memory. Upgrade to 48 GB. 1 TB storage with optional 2 TB, 4TB.
- 16 inch M4 Max Chip: 14 core CPU/32 Core GPU/ 16 core neural engine or upgrade to 16 core CPU/40 Core GPU/ 16 core neural engine. Has 36 GB memory. Upgrade to 64 or 128GB with 40 core GPU M4 Max chip only. 1 TB storage with optional 2 TB, 4TB or 8TB.

MacBook Air Surprise tweak

- MacBook Air M2 was introduced in July 2022 and remains the base model today,
- MacBook Air M3 in 13 inch and 15 inch sizes was introduced in March of 2024.
- The base amount of memory was 8 GB
- As of today the base amount of memory has increased to 16 GB
- Pricing remains the same.
 - ▶ Great deal except rumored M4 MacBook airs in 2025