

Apple's Product-Update Virtual Event Held March 08, 2022

SBAMUG Meeting March 30,2022
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Overview of Announcements at the Apple Event

- Friday Night Baseball streamed 24/7 live and replays via Apple TV Plus
- More products incorporating A15 Bionic chip, M1, M1 max , or M1 Ultra
- iPhone 13 upgrades and new colors, iPhone SE 3rd Generation, 5g capable
- iPad Air upgraded to M1 chip
- Stunning new 27 inch Studio Display compatible with some Mac computers
- All-new compact, computer-only Mac Studio, companion to Studio Display

The iPhone 13 Family

- iPhone 13 and 13 mini continue to use the A15 Bionic chip, but with new 6-core CPU, new 16-core neural engine, new 4-core GPU which also provide improved battery life; new wide and ultra-wide cameras, along with optical stabilization provide improved photos and video; a sixth color, Green is new.
- iPhone 13 Pro and Pro Max continue to use the A15 Bionic chip, but with a new 5-core GPU and improved battery life; a fifth color, Alpine Green is new; maximum memory is now doubled to 1 TB.



Alpine Green iPhone 13 Pro



Green iPhone 13 & iPhone 13 Mini

Third Generation iPhone SE

- The new iPhone SE is based on the powerful and efficient A15 Bionic chip
- Battery life is improved thanks to the Apple Silicon and an enhanced battery
- The Home Button still has Touch ID for users who hate facial recognition
- The slower speed 5G service is supported
- The single rear camera remains; no wide angle or telephoto cameras, but there is Smart HDR 4 to automatically enhance your photos
- There is new tougher cover glass on front and back of the SE, and the phone is available in Midnight Black, Starlight White, and (Product)Red

iPhone SE Colors

Product(Red),
Starlight (white),
Midnight (black)



The New iPad Air

- The new iPad Air, Fifth Generation, features the Apple Silicon M1 chip for 60% faster performance
- the Liquid Retina display, with no notch at the top, supports Apple Pencil
- The Top Button has a Touch ID sensor on it, as it was on the previous model
- The single wide rear camera remains, but the front-facing camera now is also 12 megapixel, but is ultrawide and keeps you in frame via Center Stage
- The cellular model now offers 5G support
- The Magic Keyboard with Trackpad, as well as various USB-C accessories are supported

Space Gray



Starlight



Pink



Purple



Blue



iPad Air colors Available

Evolution of the M1 chip

- Two years ago, Apple announced that they would transition their computers from Intel chips to Apple Silicon M1 chips
- The M1 chips appeared first in the MacBook Air and MacBook Pro in 2020
- The M1 Pro chips and M1 Max chips appeared in the MacBook Pro in 2021
- The M1 Ultra chip consists of two M1 Max chips fused together, side by side, comprising 114 billion transistors, 20 CPU cores and 64 GPU cores
- The processing power of the M1 Ultra chip is aimed at professionals with complex tasks like computer models for weather prediction or 3-D rendering
- The first product utilize M1 Ultra chips is the fastest model of Mac Studio

Mac Studio

- Mac Studio is a new desktop computer based on the M1 Max or M1 Ultra chip, with no accessories or display included, but there are many ports
- On the back are four USB-C/Thunderbolt 4 ports, two USB-A ports, one HDMI port, one Ethernet port and an audio jack. On the front there are more USB-C ports and an SD card reader.
- The keywords from Apple are: Performance, Modularity, and Connectivity
- It is the size of two Mac Minis stacked on top of one another, an aluminum box slightly less than 8 inches square by 4 inches high. Cooling is very quiet
- The starting configuration has M1 Max chip, 32GB RAM and 512 GB Storage; the M1 Ultra chip version doubles the RAM, the Storage, and the price.



2 Mac Minis

Mac Studio

Mac Pro



Mac Studio (Rear View)

Studio Display

- The new stand-alone Studio Display is a 27-inch 5K Retina, borderless monitor capable of tilting 30 degrees.
- It is obviously intended as a companion to the Mac Studio, but is compatible with the Mac Mini, some iMacs and some MacBook Pros.
- It has a 12 megapixel ultrawide front camera that uses the auto-framing Center Stage feature
- Built-in are three microphones, four woofers and two tweeters that provide the Apple surround sound called Spatial Audio



Studio Display

Mac Studio