

# Apple's Mac Studio is a new desktop for creative professionals

*It's more powerful than the Mac Pro*

By [Monica Chin@mcsquared96](#) Mar 8, 2022 - The Verge



Image: Apple

Apple has announced the Mac Studio, a desktop system that looks like the Mac Mini on the outside but packs a lot more power on the inside. The Mac Studio features both

Apple's M1 Max chip and a new, even more powerful processor, the M1 Ultra. It looks a bit similar to the Mac Mini, but Apple claims that the new device will be faster than even its top-of-the-line Mac Pro.



*Not as huge as the Mac Pro.* Image: Apple

The chassis is 3.7 inches tall; Apple claims it “fits perfectly under most displays” and will remain quiet under heavy workloads. The rear includes four Thunderbolt 4 ports as well as a 10Gb Ethernet port, two USB-A ports, an HDMI, and an audio jack. It supports Wi-Fi 6 and Bluetooth 5.0. The front includes two USB-C ports (10 Gbps on M1 Max systems, 40 Gbps/Thunderbolt 4 on M1 Ultra systems) and an SD card slot. The Mac Studio can support up to four Pro Display XDRs and a 4K TV, Apple says.



*This could be you, for \$1,999. Image: Apple*

Apple claims that the Mac Studio with M1 Max will deliver 50 percent faster CPU performance than a Mac Pro with a 16-core Xeon and 2.5 times faster CPU performance than a 27-inch iMac with a 10-core Core i9. The M1 Ultra configuration purportedly has 3.8 times faster CPU performance than that 27-inch iMac and is up to 90 percent faster than the 16-core Mac Pro.



*That black!* Image: Apple

**The M1 Ultra** is a monstrous chip supporting up to 128GB of memory. It has a 20-core CPU with 16 high-performance cores and four efficiency cores, as well as a 64-core GPU and a 32-core neural engine. Apple says it's "nearly" eight times faster than the M1, which powers the **latest Mac Mini**.

The Studio is compatible with **Apple's Studio Display**, an external monitor that was also unveiled today. The Studio Display has a 27-inch 5K screen that can reach 600 nits of brightness and also includes a 12-megapixel ultrawide camera. This display provides additional ports on its rear, including three USB-C ports and a Thunderbolt 4. Nano-texture glass is optional, as are various stands and mounting options.



Here, have some odds and ends from Apple's presentation. Image: Apple  
 The Mac Studio with M1 Max will start at \$1,999, and M1 Ultra models will start at \$3,999. The Studio Display is \$1,599. The **products are all up for preorder now** and ship on March 18th. While the Mac Pro and Mac Mini will continue to be sold, the 27-inch iMac appears to have been discontinued.

original article:

<https://www.theverge.com/2022/3/8/22962081/apple-mac-studio-m1-max-ultra-price-specs-processor-release-date>