

Mac Studio



First Look

Mac Studio has been a breakthrough for pro users with demanding workflows, offering ultimate Apple silicon performance and extensive connectivity in a compact form. And now it delivers next-generation capabilities with M2 Max and M2 Ultra, Apple’s most powerful and capable chip ever. With up to 192GB of unified memory, higher-bandwidth HDMI, superfast Wi-Fi 6E, and Bluetooth 5.3, Mac Studio provides next-level performance to transform any workspace into a powerful studio.



Apple Retail price (U.S.)		\$1999	\$3999
Compute	Apple M2 Max chip	Apple M2 Ultra chip	
	12-core CPU with eight performance cores and four efficiency cores	24-core CPU with 16 performance cores and eight efficiency cores	
	30-core or 38-core GPU	60-core or 76-core GPU	
	16-core Neural Engine	32-core Neural Engine	
Memory	32GB unified memory		64GB unified memory
Storage	512GB SSD		1TB SSD
Ports	Four Thunderbolt 4, two USB-C, two USB-A, HDMI, 10Gb Ethernet, SDXC card slot (UHS-II), 3.5 mm headphone jack		Six Thunderbolt 4 (including two on front), two USB-A, HDMI, 10Gb Ethernet, SDXC card slot (UHS-II), 3.5 mm headphone jack

Key messages

Powerful performance

- Apple M-series chips offer industry-leading performance and power efficiency
- Powered by M2 Max and M2 Ultra chips, Mac Studio delivers up to 20 percent faster CPU performance and up to 30 percent faster GPU performance than previous generation models¹
- Neural Engine provides up to 40 percent faster performance for machine learning-based tasks¹
- Enhanced Media Engine can play back more simultaneous streams of ProRes than ever before

M2 Max chip

- Features a 12-core CPU and up to a 38-core GPU
- Configurable up to 96GB of superfast unified memory
- Supports playback of up to 10 streams of 8K ProRes 422 video¹

M2 Ultra chip

- Features a 24-core CPU and up to a 76-core GPU
- Configurable up to 192GB of superfast unified memory
- Supports playback of up to 22 streams of 8K ProRes 422 video¹

All-flash storage

- All models come standard with 512GB or 1TB of lightning-fast SSD storage, configurable to 1TB, 2TB, 4TB, or 8TB

Versatile connectivity

- HDMI port supports even higher resolutions and frame rates—so you can connect up to an 8K monitor with a 60Hz refresh rate or a 4K monitor with a 240Hz refresh rate
- Models with M2 Ultra can support up to eight 4K displays or up to six 6K displays
- Models with M2 Max feature four Thunderbolt 4 ports, two USB-A ports, 10Gb Ethernet, a headphone jack, two USB-C ports, and an SDXC card slot—so you can easily connect your accessories
- On models with M2 Ultra, the two front USB-C ports also support Thunderbolt 4 at 40Gb/s—so you get the versatility of a total of six Thunderbolt ports
- Get up to a two times faster data transfer with Wi-Fi 6E
- Connect to next-generation wireless devices through Bluetooth 5.3
- 3.5 mm headphone jack supports studio-quality, high-impedance headphones

macOS and apps

- macOS is designed to scale with Apple silicon, so Mac Studio automatically benefits from the increased graphics, massive memory, and powerful machine learning of M2 Max and M2 Ultra
- Choose from thousands of apps optimized for Apple silicon

Best-in-class security

- Secure boot and fast encryption keeps all your information safe

Essential additions

- AppleCare+ for Mac, Magic Keyboard with Touch ID and Numeric Keypad, Magic Mouse, Magic Trackpad, Studio Display, Pro Display XDR, Thunderbolt and USB accessories

¹ For performance testing details, see apple.com/mac-studio.

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