iMac (24-inch, 2024, Two ports) - Tech specs

Year introduced: 2024

Colors

Blue

Purple

Pink

Orange

Yellow

Green

Silver

Chip

Apple M4 chip

8-core CPU with 4 performance cores and 4 efficiency cores

8-core GPU

Hardware-accelerated ray tracing

16-core Neural Engine

120GB/s memory bandwidth

Media Engine

Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW

Video decode engine

Video encode engine

ProRes encode and decode engine

AV1 decode

Apple Intelligence[1]	Apple Intelligence is the personal intelligence system that helps you write, express yourself and get things done effortlessly. With groundbreaking privacy protections, it gives you peace of mind that no one else can access your data — not even Apple.
	Learn more about Apple Intelligence
Storage[2]	**256GB SSD**
	Configurable to:
	512GB or 1TB
Memory	**16GB unified memory**
	Configurable to:
	24GB unified memory
Display	**24-inch 4.5K Retina display**
	4480x2520 resolution at 218 pixels per inch with support for 1 billion colours
	500 nits brightness
	Wide colour (P3)
	True Tone technology
	Actual diagonal screen size is 23.5 in.
Camera	12MP Center Stage camera with support for Desk View
	1080p HD video recording
	Advanced image signal processor with computational video
Display Support	**Simultaneously supports full native resolution on the built-in display at 1 billion colours and:**
	One external display with up to 6K resolution at 60Hz
	Thunderbolt 4 digital video output
	Native DisplayPort output over USB-C
Video Playback	Supported formats include HEVC, H.264, AV1 and ProRes
	HDR with Dolby Vision, HDR10+/HDR10 and HLG

Audio Playback	Supported formats include AAC, MP3, Apple Lossless, FLAC, Dolby Digital, Dolby Digital Plus and Dolby Atmos
Audio	High-fidelity six-speaker system with force-cancelling woofers
	Wide stereo sound
	Support for Spatial Audio when playing music or video with Dolby Atmos
	Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming
	Support for "Hey Siri" or just "Siri"
Connections and Expansion	**Two Thunderbolt / USB 4 ports with support for:**
	Thunderbolt 4 (up to 40Gb/s)
	USB 4 (up to 40Gb/s)
	USB 3.1 Gen 2 (up to 10Gb/s)
	DisplayPort
	3.5mm headphone jack with advanced support for high-impedance headphones
	Configurable with Gigabit Ethernet
Input	**Magic Keyboard**
	Magic Mouse
	Configurable with:
	Magic Keyboard with Touch ID and Numeric Keypad
	Magic Trackpad
Wireless	**Wi-Fi**
	Wi-Fi 6E (802.11ax)[3]
	Bluetooth
	Bluetooth 5.3
Size and Weight	**Width:** 54.7 cm (21.5 inches)
	Height: 46.1 cm (18.1 inches)
	Stand depth: 14.7 cm (5.8 inches)
	Stand width: 13 cm (5.1 inches)
	Weight: 4.42 kg (9.74 pounds)[4]
Electrical and Operating Requirements	**Line voltage:** 100–240V AC
	Frequency: 50Hz to 60Hz, single phase
	Operating temperature: 10° to 35° C (50° to 95° F)
	Relative humidity: 5% to 90% non-condensing
	Operating altitude: tested up to 5,000 metres (16,400 feet)

In the Box

iMac

Magic Keyboard

Magic Mouse

143W power adapter

Power lead (2m)

USB-C Charge Cable

Operating System

macOS

macOS is the most advanced desktop operating system in the world. macOS Sequoia helps you be productive and creative in new ways — with Apple Intelligence,[1] iPhone Mirroring, window tiling, major updates to Safari and more.

Learn more about latest operating system

Accessibility

Accessibility features help people with disabilities get the most out of their new iMac. With built-in support for vision, hearing, mobility and learning, you can create and do amazing things.

Learn more about Accessibility

Features include:

Voice Control	Reduce Motion
VoiceOver	Siri and Dictation
Zoom	Switch Control
Increase Contrast	

Built-in Apps[5]

App Store	Keynote	Podcasts
Books	Mail	Preview
Calendar	Maps	QuickTime Player
Contacts	Messages	Reminders
FaceTime	Music	Safari
Find My	News	Shortcuts
Freeform	Notes	Stocks
GarageBand	Numbers	Time Machine
Home	Pages	TV
iMovie	Photo Booth	Voice Memos
iPhone Mirroring	Photos	Weather

Configure to Order

Configure your iMac with these options at apple.com:

Magic Keyboard with Touch ID and Numeric Keypad

Magic Trackpad

24GB unified memory

512GB or 1TB SSD

Gigabit Ethernet

iMac and the Environment

Environmental impact

iMac is designed to reduce environmental impact:[6]

Progress towards Apple 2030

More than 15% recycled content[7]

Over 20% of manufacturing electricity sourced from low-carbon electricity[8]

More than 20% emissions reduction against business-as-usual scenario as modelled by Apple[9]

Materials

100% recycled aluminium in the stand

100% recycled rare earth elements in all magnets

100% recycled tin in the solder of multiple printed circuit boards

100% recycled copper in multiple printed circuit boards

100% recycled gold in the plating of multiple printed circuit boards

50% or more recycled plastic in 13 components

Energy

Over 20% of manufacturing electricity for iMac is sourced from low-carbon electricity[8]

ENERGY STAR® certified[10]

Packaging

100% fibre-based packaging[11]

76% recycled content in fibre packaging

Waste

No established final assembly sites generate waste sent to landfill as part of Apple's Zero Waste Programme

Smarter chemistry[12]

Arsenic-free display glass

Mercury-, BFR- and PVC-free

Acoustic Performance

Declared noise emission values in accordance with ECMA-109

	Sound Power Level $L_{WA,m}$ (B)	Sound Pressure Level Operator Position $L_{pA,m}$ (dB)
Idle	1.6 (K_V = 0.3)	5
Wireless web	1.6 (K_V = 0.3)	5

1. $L_{WA,m}$ is the mean A-weighted sound power level, rounded to the nearest 0.1 B.

2. $L_{pA,m}$ is the mean A-weighted sound pressure level measured at operator position (rounded to the nearest 1 dB).

3. 1 B (bel) = 10 dB (decibel).

4. K_v is the statistical adder for computing upper-limit of A-weighted sound power level.

5. The quantity, $L_{WA,c}$ (formerly called L_{WAd}) may be computed from the sum of $L_{WA,m}$ and K_v.

6. The wireless web test browses 6 tabs with a mix of content including media.

7. Configuration tested: M4, 8-core CPU, 8-core GPU, 16GB unified memory, 256GB storage.

1. Apple Intelligence is available in beta on all Mac models with M1 and later, with Siri and device language set to US English, as a macOS Sequoia update. English (Australia, Canada, Ireland, New Zealand, South Africa, UK) language support available this December. Some features and support for additional languages, like Chinese, English (India, Singapore), French, German, Italian, Japanese, Korean, Portuguese, Spanish, Vietnamese and others, will be coming over the course of the next year.

2. 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less.

3. Wi-Fi 6E available in countries and regions where supported.

4. Weight varies by configuration and manufacturing process.

5. iMovie, GarageBand, Pages, Numbers and Keynote are available on the Mac App Store. Downloading apps requires an Apple Account and a device that is compatible with the OS version required for each app. iPhone Mirroring is not available in all countries and regions. Some iPhone features (e.g., camera and microphone) are not compatible with iPhone Mirroring.

6. Data accurate as of product launch.

7. Product recycled or renewable content is the mass of certified recycled material relative to the overall mass of the device, not including packaging or in-box accessories.

8. We estimate the percentage of electricity-related emissions in our manufacturing that is sourced from low-carbon electricity by attributing to our carbon model low-carbon energy procured by our suppliers in the prior fiscal year, based on the supplier manufacturing allocations at time of product launch. This calculation assesses the suppliers for iMac. Included in this number is only low-carbon electricity that Apple or its suppliers have procured as part of Apple's Supplier Clean Energy Programme.

9. Carbon reductions are calculated against a business-as-usual scenario as modelled by Apple: 1) No use of clean electricity for manufacturing or product use, beyond what is already available on the latest modelled grid (based on regional emissions factors). 2) Apple's carbon intensity of key materials as of 2015 (our baseline year for our 2030 product carbon-neutrality goal). Carbon intensity of materials reflects use of recycled content and production technology. 3) Apple's average mix of transport modes (air, rail, sea, land) by product line across three years (fiscal years 2017 to 2019) to best capture the baseline transport emissions of our products.

10. ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the US Environmental Protection Agency.

11. Based on retail packaging as shipped by Apple. Breakdown of US retail packaging by weight. Adhesives, inks and coatings are excluded from our calculations of plastic content and packaging weight.

12. Apple's Regulated Substances Specification describes Apple's restrictions on the use of certain chemical substances in materials in Apple products, accessories, manufacturing processes, and packaging used for shipping products to Apple's end customers. Restrictions are derived from international laws or directives, regulatory agencies, eco-label requirements, environmental standards and Apple policies. Every Apple product is free of PVC and phthalates except for AC power leads in India, Thailand (for two-pin AC power leads) and the Republic of Korea, where we continue to seek government approval for our PVC and phthalates replacement. Apple products comply with the European Union Directive 2011/65/EU and its amendments, including exemptions for the use of lead such as high-temperature solder. Apple is working to phase out the use of these exempted substances for new products where technically possible.

Helpful?   Yes   No

Support   iMac (24-inch, 2024, Two ports) - Tech specs