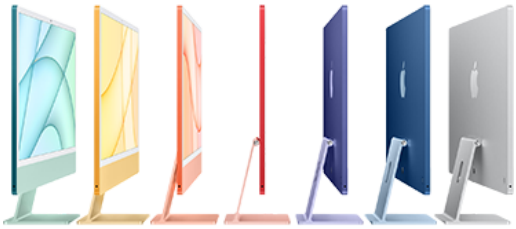
iMac (24-inch, M1, 2021) - Technical Specifications

Languages British English



Colors

- Blue
- Green
- Pink
- Silver
- Yellow
- Orange
- Purple

Chip

- **Apple M1 chip**
  8-core CPU with 4 performance cores and 4 efficiency cores
  7-core GPU, 8-core GPU
  16-core Neural Engine

Storage[2]

- **256GB SSD or 512GB SSD**
  Configurable to: 512GB, 1TB, or 2TB

Memory

- **8GB unified memory**
  Configurable to 16GB unified memory

Display

- 24-inch 4.5K Retina display
- 4480-by-2520 resolution at 218 pixels per inch with support for 1 billion colors
- 500 nits brightness
- Wide color (P3)
- True Tone technology

Actual diagonal screen size is 23.5 in

Camera

- 1080p FaceTime HD camera
- Advanced image signal processor with computational video

Video Support

- **Simultaneously supports full native resolution on the built-in display at 1 billion colors and:**
  One external display with up to 6K resolution at 60Hz
- **Thunderbolt 3 digital video output**
  Native DisplayPort output over USB-C
  VGA, HDMI, DVI, and Thunderbolt 2 output supported using adapters (sold separately)

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[3]
- Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming
- Support for “Hey Siri”

Connections and Expansion

- Two Thunderbolt / USB 4 ports with support for:
  - DisplayPort
  - Thunderbolt 3 (up to 40Gb/s)
  - USB 4 (up to 40Gb/s)
  - USB 3.1 Gen 2 (up to 10Gb/s)
  - Thunderbolt 2, HDMI, DVI, and VGA supported using adapters (sold separately)

- 3.5 mm headphone jack
- Gigabit Ethernet
- Two USB 3 ports (up to 10Gb/s)

Input

- Magic Keyboard
- Magic Mouse

Configurable with: Magic Keyboard with Touch ID, Magic Keyboard with Touch ID and Numeric Keypad, Magic Trackpad

Wireless

- **Wi-Fi**
  - Wi-Fi 6 (802.11ax)
  - IEEE 802.11a/b/g/n/ac compatible
- **Bluetooth**
  - Bluetooth 5.0 wireless technology

Size and Weight

- Height: 18.1 inches (46.1 cm)
- Width: 21.5 inches (54.7 cm)
- Stand Depth: 5.8 inches (14.7 cm)
- Weight: 2-ports: 9.83 pounds (4.46 kg)[3] , 4-ports: 9.88 pounds (4.48 kg)[3]

Electrical and Operating Requirements

- Line voltage: 100–240V AC
- Frequency: 50Hz to 60Hz, single phase
- Operating temperature: 50° to 95° F (10° to 35° C)
- Relative humidity: 5% to 90% noncondensing
- Operating altitude: tested up to 16,400 feet (5000 meters)

In the Box

- iMac
- Magic Keyboard
- Magic Mouse
- 143W power adapter
- Power cord (2 m)
- USB-C to Lightning Cable

Operating System
macOS
macOS is the most advanced desktop operating system in the world. macOS Ventura makes the things you do most on Mac even better, so you can work smarter, play harder, and go further.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
- VoiceOver
- Zoom
- Increase Contrast
- Reduce Motion
- Siri and Dictation
- Switch Control
- Live Captions

Built-in Apps[4]

- App Store
- Books
- Calendar
- Contacts
- FaceTime
- Find My
- Freeform
- GarageBand
- Home
- iMovie
- Keynote

- Mail
- Maps
- Messages
- Music
- News
- Notes
- Numbers
- Pages
- Photo Booth
- Photos
- Podcasts
- Preview
- QuickTime Player
- Reminders
- Safari
- Shortcuts
- Siri
- Stocks
- Time Machine
- TV
- Voice Memos

Configure to Order
Configure your iMac with these options at apple.com:. Looking for an iMac you can mount on a wall or an adjustable arm? Choose an iMac with a Built-in VESA Mount Adapter

- Magic Keyboard with Touch ID
- Magic Keyboard with Touch ID and Numeric KeyPad
- Magic Trackpad
- 16GB unified memory
- 512GB, 1TB, or 2TB SSD
- Gigabit Ethernet

iMac and the Environment
The 24-inch iMac is designed with the following features to reduce its environmental impact:[6] See the 24-inch iMac Product Environmental Report

Made with better materials

- 100% recycled rare earth elements in all magnets, representing 99% of the rare earth elements in the device
- 100% recycled tin in the solder of the main logic board
- Enclosure made with recyclable, low-carbon aluminum
- 35% or more recycled plastic in multiple components

Energy efficient

- ENERGY STAR® certified[6]

Smarter chemistry[7]

- Arsenic-free display glass
- Mercury-, BFR-, PVC-, and beryllium-free

Green manufacturing

- Apple's Zero Waste Program helps suppliers eliminate waste sent to landfill
- All final assembly supplier sites are transitioning to 100% renewable energy for Apple production

Responsible packaging

- 100% of virgin wood fiber comes from responsibly managed forests
- Recyclable, majority-fiber packaging

Apple and the Environment
We're committed to making our products without taking from the earth, and to become carbon neutral across our entire business, including products, by 2030. See Apple's commitment

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	1.7 (K_V = 0.3)	7
Wireless web	1.7 (K_V = 0.3)	7

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 25 popular websites.
7. Configurations tested: a) Apple M1 chip, 8-core CPU/8-core GPU, 8GB memory, 512GB storage, 4-ports b) Apple M1 chip, 8-core CPU/7-core GPU, 8GB memory, 256GB storage, 2-ports.

1. Magic Keyboard with Touch ID is included with the 24-inch iMac systems with Apple M1 chip and 8-core GPU and is available as an option on systems with 7-core GPU
2. 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less.
3. Weight varies by configuration and manufacturing process.
4. iMovie, GarageBand, Pages, Numbers, and Keynote are available on the Mac App Store. Downloading apps requires an Apple ID and a device that is compatible with the OS version required for each app.
5. Data accurate as of product launch.
6. ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.
7. Apple defines its restrictions on harmful substances, including definitions for what Apple considers to be “free of,” in the Apple Regulated Substances Specification. Every Apple product is free of PVC and phthalates with the exception of AC power cords in India, Thailand (for two-prong AC power cords), and South Korea, where we continue to seek government approval for our PVC and phthalates replacement.

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