

iMac (Retina 4K, 21.5-inch, 2019) – Technical Specifications

Languages English



Display

- Retina 4K display
- 21.5-inch (diagonal) Retina 4K display
- 4096-by-2304 resolution with support for one billion colors
- 500 nits brightness
- Wide color (P3)

Processor

- 3.6GHz
3.6GHz quad-core Intel Core i3
Configurable to 3.2GHz 6-core Intel Core i7, Turbo Boost up to 4.6GHz
- 3.0GHz
3.0GHz 6-core Intel Core i5 (Turbo Boost up to 4.1GHz)
Configurable to 3.2GHz 6-core Intel Core i7, Turbo Boost up to 4.6GHz

Memory

- 3.6GHz
8GB of 2400MHz DDR4 memory
Configurable to 16GB or 32GB
- 3.0GHz
8GB of 2666MHz DDR4 memory
Configurable to 16GB or 32GB

Storage¹

- 3.6GHz
256GB SSD
Configurable to 1TB Fusion Drive
- 3.0GHz
256GB SSD
Configurable to 1TB Fusion Drive

Graphics

- 3.6GHz
Radeon Pro 555X with 2GB of GDDR5 memory
- 3.0GHz
Radeon Pro 560X with 4GB of GDDR5 memory
Configurable to Radeon Pro Vega 20 with 4GB of HBM2 memory

Video Support and Camera

- FaceTime HD camera
- Simultaneously supports full native resolution on the built-in display at millions of colors (21.5-inch) or 1 billion colors (21.5-inch 4K) and:
 - One 5120-by-2880 (5K) external display at 60Hz with support for 1 billion colors, or
 - Two 3840-by-2160 (4K UHD) external displays at 60Hz with support for 1 billion colors, or
 - Two 4096-by-2304 (4K) external displays at 60Hz with support for millions of colors
- Thunderbolt 3 digital video output
- Native DisplayPort output over USB-C
- Thunderbolt 2, HDMI, DVI, and VGA output supported using adapters (sold separately)

Audio

- Stereo speakers
- Microphone
- 3.5 mm headphone jack

Connections and Expansion

- 3.5 mm headphone jack
- SDXC card slot
- Four USB-A ports
- Two Thunderbolt 3 (USB-C) ports with support for:
 - DisplayPort
 - Thunderbolt (up to 40Gb/s)
 - USB 3.1 Gen 2 (up to 10Gb/s)
 - Thunderbolt 2, HDMI, DVI, and VGA supported using adapters (sold separately)
- 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector)
- Kensington lock slot

Input

- Magic Keyboard
- Magic Mouse 2
- Configurable with Magic Keyboard with Numeric Keypad
- Configurable with Magic Trackpad 2

Wireless

- Wi-Fi
 - 802.11ac Wi-Fi wireless networking
 - IEEE 802.11a/b/g/n compatible
- Bluetooth
 - Bluetooth 4.2 wireless technology

Size and Weight

- Height: 17.7 inches (45.0 cm)
- Width: 20.8 inches (52.8 cm)
- Stand depth: 6.9 inches (17.5 cm)
- Weight: 12.1 pounds (5.48 kg)²

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 with Retina 4K display
- Magic Keyboard
- Magic Mouse 2
- Power cord
- Lightning to USB Cable
- Polishing cloth

Operating System

macOS

macOS is the most advanced desktop operating system in the world. macOS Big Sur introduces a bold new design and major updates to apps — taking macOS to a new level of power and beauty.

[Learn more](#)

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](#)

Features include:

- Voice Control
- VoiceOver
- Zoom
- Increase Contrast
- Reduce Motion
- Siri and Dictation
- Switch Control
- Closed Captions
- Text to Speech

Built-in Apps³

- Photos
- iMovie

- GarageBand
- Pages
- Numbers
- Keynote
- Siri
- Safari
- Mail
- FaceTime
- Messages
- Maps
- News
- Stocks
- Home
- Voice Memos
- Notes
- Calendar
- Contacts
- Reminders
- Photo Booth
- Preview
- Books
- App Store
- Time Machine
- TV
- Music
- Podcasts
- Find My
- QuickTime Player

Configure to Order

Configure your iMac with these options.

Looking for an iMac you can mount on a wall or an adjustable arm? Choose an iMac with a Built-in VESA Mount Adapter

- 3.6GHz
 - Magic Trackpad 2
 - Magic Keyboard with Numeric Keypad
 - 3.2GHz 6-core Intel Core i7 upgrade
 - 16GB or 32GB memory upgrade
 - 1TB Fusion Drive
- 3.0GHz
 - Magic Trackpad 2
 - Magic Keyboard with Numeric Keypad
 - 3.2GHz 6-core Intel Core i7 upgrade
 - 16GB or 32GB memory upgrade
 - 1TB Fusion Drive
 - Radeon Pro Vega 20 with 4GB of HBM2 memory

iMac and the Environment

We take responsibility for the environmental footprint of our products throughout their life cycle. Learn more

The 21.5-inch iMac with Retina 4K display is designed with the following features to reduce its environmental impact:⁴

Made with better materials

- Enclosure made with recyclable, low-carbon aluminum
- 50% or more recycled plastic in multiple components

Energy efficient

- Meets ENERGY STAR requirements

Smarter chemistry

- Arsenic-free display glass
- Mercury-free LED-backlit display
- BFR-, PVC-,⁵ and beryllium-free

Green manufacturing

- Final assembly supplier sites do not generate any waste sent to landfill⁶

Responsible packaging

- 100% of virgin wood fiber comes from responsibly managed forests

Acoustic Performance

Declared noise emission values in accordance with ECMA-109

	Sound Power Level $L_{W A,m}$ (B)	Sound Pressure Level Operator Position $L_{p A,m}$ (dB)
Idle	2.0 ($K_v = 0.3$)	12
Wireless web	2.0 ($K_v = 0.3$)	12
Hard drive seek	2.1 ($K_v = 0.3$)	13

1. $L_{W A,m}$ is the mean A-weighted sound power level, rounded to the nearest 0.1 B.
2. $L_{p A,m}$ 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, $L_{W A,c}$ (formerly called $L_{W A,d}$) may be computed from the sum of $L_{W A,m}$ and K_v .
6. The Wireless web test browses 25 popular websites.
7. Configuration tested: 3.0GHz 6-core Intel Core i5 processor, 8GB memory, 1TB Fusion drive, Radeon Pro 560X Graphics.

1. 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less.
2. Weight varies by configuration and manufacturing process.
3. 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.
4. Data accurate as of product launch.
5. 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.
6. Final assembly supplier sites for 21.5-inch iMac with Retina 4K display and 27-inch iMac with Retina 5K display are third-party certified as Zero Waste by UL LLC (UL 2799 Standard).

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Support