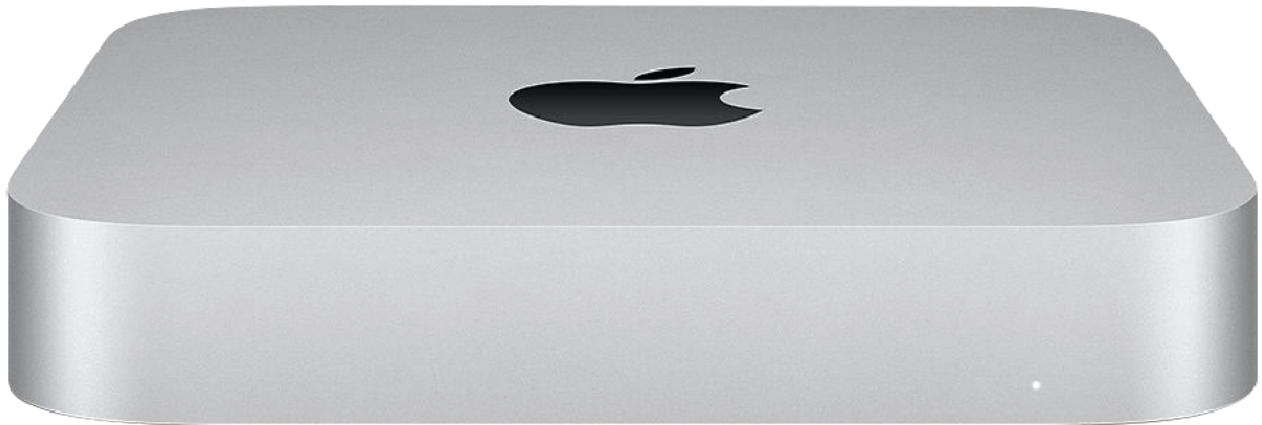


Mac mini (M1, 2020) - Technical specifications

 support.apple.com/kb/SP823



Finish

Silver

Chip

Apple M1 chip

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

8-core GPU

16-core Neural Engine

Memory

8GB

8GB unified memory

Configurable to 16GB

Storage¹

256GB

256GB SSD

Configurable to: 512GB, 1TB, or 2TB

Video Support

- **Simultaneously supports up to two displays:**
One display with up to 6K resolution at 60Hz connected via Thunderbolt and one display with up to 4K resolution at 60Hz connected via HDMI
- **Thunderbolt 3 digital video output supports**
Native DisplayPort output over USB-C
Thunderbolt 2, DVI, and VGA output supported using adapters (sold separately)

- **HDMI display video output**

Support for one display with up to 4K resolution at 60Hz

DVI output using HDMI to DVI Adapter (sold separately)

Audio

- Built-in speaker
- 3.5 mm headphone jack
- HDMI port supports multichannel audio output

Connections and Expansion

- Two Thunderbolt / USB 4 ports with support for:
 - DisplayPort
 - Thunderbolt 3 (up to 40 Gb/s)
 - USB 4 (up to 40Gb/s)
 - USB 3.1 Gen 2 (up to 10 Gb/s)
 - Thunderbolt 2, HDMI, DVI, and VGA supported using adapters (sold separately)
- Two USB-A ports (up to 5 Gb/s)
- HDMI port
- Gigabit Ethernet port (Configurable to 10Gb Ethernet)
- 3.5 mm headphone jack

Communications

- **Wi-Fi**
 - 802.11ax Wi-Fi 6 wireless networking
 - IEEE 802.11a/b/g/n/ac compatible
- **Bluetooth**
 - Bluetooth 5.0 wireless technology
- **Ethernet**
 - 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector)
 - Configurable to 10Gb Ethernet (Nbase-T Ethernet with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet using RJ-45 connector)

Size and Weight

- Height: 1.4 inches (3.6 cm)
- Width: 7.7 inches (19.7 cm)
- Depth: 7.7 inches (19.7 cm)
- Weight: 2.6 pounds (1.2 kg)²

Electrical and Operating Requirements

- Line voltage: 100–240V AC
- Frequency: 50Hz to 60Hz, single phase
- Maximum continuous power: 150W

- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: -40° to 116° F (-40° to 47° C)
- Relative humidity: 5% to 90% noncondensing
- Operating altitude: tested up to 16,400 feet (5000 meters)
- Typical acoustical performance: Sound pressure level (operator position): 5 dBA at idle³

In the Box

- Mac mini
- Power cord

Operating System

macOS

macOS is the most advanced desktop operating system in the world. macOS Monterey introduces powerful new features to help you connect, share, and create like never before. [Learn more about latest operating system](#)

Accessibility

Accessibility features help people with disabilities get the most out of their new Mac mini. 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
- Closed Captions
- Text to Speech

Built-in Apps⁴

- 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
- Shortcuts

Configure to Order

Configure your Mac mini with these options at apple.com:

- 16GB unified memory
- 512GB, 1TB, or 2TB SSD
- 10Gb Ethernet

Mac mini and the Environment

Mac mini is designed with the following features to reduce its environmental impact:⁵ [See the Mac mini Product Environmental Report](#)

Made with better materials

- 100% recycled aluminum in the enclosure
- 100% recycled tin in the solder of the main logic board
- 35% or more recycled plastic in multiple components

Energy efficient

ENERGY STAR[®] certified⁶

Smarter chemistry⁷

- Mercury-free
- 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	1.4 ($K_v = 0.3$)	5
Wireless web	1.4 ($K_v = 0.3$)	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 the 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 $L_{WA,d}$) may be computed from the sum of $L_{WA,m}$ and K_v .
6. The Wireless web test browses 25 popular websites.
7. Configuration tested: Apple M1 chip, 8GB memory, 512GB storage.

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1. 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less.
 2. Weight varies by configuration and manufacturing process.
 3. Acoustics measured from typical operator position sitting in front of standard Mac mini system. Acoustics may vary by configuration.

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.
8. PVC-free AC power cord available in all regions except India and South Korea.
9. Recycled material claim applies to the enclosure.
10. Mac mini achieved a Gold rating from EPEAT in the U.S. and Canada.

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