



MacBook Air (15-inch, M3, 2024) - Tech Specs

Year introduced: 2024

Finish

Silver
Starlight
Space Grey
Midnight

Chip

Apple M3 chip

8-core CPU with 4 performance cores and 4 efficiency cores
10-core GPU
Hardware-accelerated ray tracing
16-core Neural Engine
100GB/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 engine

Display

Liquid Retina display

15.3-inch (diagonal) LED-backlit display with IPS technology;¹
2880x1864 native resolution at 224 pixels per inch
500 nits brightness

Colour

Support for 1 billion colours
Wide colour (P3)
True Tone technology

Memory

16GB unified memory
Configurable to 24GB

8GB unified memory
Configurable to 16GB or 24GB

Battery and Power²

Up to 18 hours Apple TV app movie playback
Up to 15 hours wireless web
66.5-watt-hour lithium-polymer battery
35W Dual USB-C Port Power Adapter
USB-C to MagSafe 3 Cable
Fast-charge capable with 70W USB-C Power Adapter

Storage³

256GB SSD
Configurable to 512GB, 1TB or 2TB

Charging and Expansion

MagSafe 3 port
3.5mm headphone jack
Two Thunderbolt / USB 4 ports with support for:
Charging
DisplayPort
Thunderbolt 3 (up to 40Gb/s)
USB 4 (up to 40Gb/s)

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
Close the MacBook Air lid to use a second external display with up to 5K resolution at 60Hz

Video Playback	Supported formats include HEVC, H.264, AV1 and ProRes HDR with Dolby Vision, HDR10 and HLG
Audio Playback	Supported formats include AAC, MP3, Apple Lossless, FLAC, Dolby Digital, Dolby Digital Plus and Dolby Atmos
Keyboard and Trackpad	Backlit Magic Keyboard with: 78 (US) or 79 (ISO) keys including 12 full-height function keys and 4 arrow keys in an inverted “T” arrangement Touch ID Ambient light sensor Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing and Multi-Touch gestures
Wireless	Wi-Fi Wi-Fi 6E (802.11ax) ⁴ Bluetooth Bluetooth 5.3
Camera	1080p FaceTime HD camera Advanced image signal processor with computational video
Audio	Six-speaker sound system with force-cancelling woofers Support for Spatial Audio when playing music or video with Dolby Atmos on built-in speakers Spatial Audio with dynamic head tracking when using AirPods (3rd generation), AirPods Pro and AirPods Max Three-mic array with directional beamforming Voice Isolation and Wide Spectrum microphone modes Enhanced voice clarity in audio and video calls 3.5mm headphone jack with advanced support for high-impedance headphones
Operating Requirements	Line voltage: 100V to 240V AC Frequency: 50Hz to 60Hz Operating temperature: 10° to 35° C (50° to 95° F) Storage temperature: -25° to 45° C (-13° to 113° F) Relative humidity: 0% to 90% non-condensing Operating altitude: tested up to 3,000 metres (10,000 feet) Maximum storage altitude: 4,500 metres (15,000 feet) Maximum shipping altitude: 10,500 metres (35,000 feet)

Size and Weight

Height: 1.15 cm (0.45 inches)
Width: 34.04 cm (13.40 inches)
Depth: 23.76 cm (9.35 inches)
Weight: 1.51 kg (3.3 pounds)⁵

Operating System

macOS

macOS is the most advanced desktop operating system in the world. And with macOS Sonoma, work and play on your Mac are even more powerful — with new ways to elevate your video presentations, boost your gaming performance and personalise your device.

[Learn more about latest operating system](#)

Accessibility

Accessibility features help people with disabilities get the most out of their new MacBook Air. 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	Switch Control
Siri and Dictation	Zoom
Increase Contrast	

Built-in Apps⁶

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

In the Box

15-inch MacBook Air
35W Dual USB-C Port Power Adapter
USB-C to MagSafe 3 Cable (2m)

Configure to Order

Configure your MacBook Air with these options at [apple.com](#):
16GB or 24GB unified memory
512GB, 1TB or 2TB SSD
70W USB-C Power Adapter

MacBook Air and the Environment

MacBook Air is designed with the following features to reduce its environmental impact:⁷

[See the 15-inch MacBook Air with M3 chip Product Environmental Report \(PDF\).](#)

Made with better materials

Made with 50% recycled content, including:

100% recycled aluminium in the enclosure

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

100% recycled rare earth elements in all magnets, representing 99% of the rare earth elements in the device

100% recycled cobalt in the battery⁸ and magnets of the MagSafe connector

100% recycled copper in the main logic board — an Apple first

90% recycled steel in the battery tray, keyboard feature plate and trackpad beam plate

35% or more recycled plastic in multiple components

Energy efficient

ENERGY STAR[®] certified⁹

Smarter chemistry¹⁰

Arsenic-free display glass

Mercury-, BFR- and PVC-free

Green manufacturing

No established final assembly supplier sites generate any waste sent to landfill¹¹

Over 25% of manufacturing electricity sourced from supplier clean energy projects¹²

Responsible packaging

100% of virgin wood fibre comes from responsibly managed forests

99% fibre-based packaging due to our work to remove plastic from packaging¹³

Progress towards our 2030 goal

Reduced emissions for MacBook Air with M3 chip by over 40% against our baseline¹⁴

Apple and the Environment

Today, Apple is carbon neutral for global corporate operations, and we are focused on our Apple 2030 goal to make every product carbon neutral.

[See Apple's commitment](#)

Declared noise emission values in accordance with ECMA-109

Acoustic Performance

	Sound Power Level	Sound Pressure Level
	$L_{WA,m}$ (B)	Operator Position
		$L_{pA,m}$ (dB)
Idle	1.3 ($K_v = 0.3$)	3

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 $L_{WA,d}$) 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: M3, 8-core CPU / 10-core GPU, 8GB unified memory, 512GB storage.

1. Screen size is measured diagonally. The displays on the 13-inch and 15-inch MacBook Air have rounded corners at the top. When measured as a standard rectangular shape, the screens are 13.6 inches and 15.3 inches diagonally (actual viewable area is less).
2. Testing conducted by Apple in January 2024 using pre-production 15-inch MacBook Air systems with Apple M3, 8-core CPU and 10-core GPU, and pre-production 13-inch MacBook Air systems with Apple M3, 8-core CPU and 8-core GPU, all configured with 8GB of RAM and 256GB SSD. Testing conducted by Apple in May 2022 using pre-production 13-inch MacBook Air systems with Apple M2, 8-core CPU, 8-core GPU, 8GB of RAM and 256GB SSD. The wireless web test measures battery life by wirelessly browsing 25 popular websites with display brightness set to 8 clicks from bottom. The Apple TV app movie playback test measures battery life by playing back HD 1080p content with display brightness set to 8 clicks from bottom. Battery life varies by use and configuration. See apple.com/uk/batteries for more information.
3. 1GB = 1 billion bytes and 1TB = 1 trillion bytes; actual formatted capacity less.
4. Wi-Fi 6E available in countries and regions where supported.
5. Weight varies by configuration and manufacturing process.
6. 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.
7. Data accurate as of product launch.
8. Recycled cobalt in the battery uses mass balance allocation.
9. ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the US Environmental Protection Agency.
10. 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.
11. All established final assembly supplier sites — those that have been Apple suppliers for more than one year — for MacBook Air are third-party verified as Zero Waste by UL LLC (UL 2799 Standard). UL requires at least 90 per cent diversion through methods other than waste to energy to achieve Zero Waste to Landfill (Silver 90–94 per cent, Gold 95–99 per cent and Platinum 100 per cent) designations.
12. We estimate the percentage of electricity-related emissions in our manufacturing that is sourced from clean electricity by attributing to our carbon model clean energy procured by our suppliers in the prior fiscal year, based on the supplier manufacturing allocations at time of product launch. Included in this number is only clean electricity that Apple or its suppliers have procured as part of Apple's Supplier Clean Energy Programme.
13. Breakdown of US retail packaging by weight. Adhesives, inks and coatings are excluded from our calculations of plastic content and packaging weight.
14. Carbon reductions are calculated against a baseline scenario: 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.

Features are subject to change. Some features, applications and services may not be available in all regions or all languages.

Helpful?

Yes No

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