

Apple Mac Studio (MHL64ZD/A)

Apple Mac Studio - USFF M5 Max - RAM 36 GB - SSD 512 GB - M5 Max 32-core - Gigabit Ethernet, 2.5 Gigabit Ethernet, 5 Gigabit Ethernet, 10 Gigabit Ethernet, IEEE 802.11ax (Wi-Fi 6), IEEE 802.11be (Wi-Fi 7), Bluetooth 6.0 - macOS 27 Golden Gate - monitor: none - silver



The Apple Mac Studio offers a powerful and compact computing solution, designed to handle demanding tasks with ease. It features an ultra-small form factor that fits seamlessly into any workspace while delivering performance. With its 18-core M5 Max processor, 36 GB of RAM, and 512 GB SSD, this system is optimized for a variety of workloads, from video editing to graphic design. Equipped with a 32-core graphics processor, it ensures high-quality visuals and supports up to five monitors, perfect for multitasking professionals. Connectivity is robust, featuring multiple Thunderbolt 5/USB4/DisplayPort options, as well as Ethernet and HDMI ports. The built-in wireless capabilities, including Bluetooth 6.0 and support for various Wi-Fi standards, provide flexibility for communication and connectivity. Additionally, the ENERGY STAR certified design underscores a commitment to sustainability, with a carbon footprint of 314 kg and the use of 100% recycled rare earth materials in all magnets. The Apple Mac Studio is a powerhouse for creative professionals and a responsible choice for the environmentally conscious consumer.

Key Selling Points

- Ultra-small form factor for space-efficient usage
- M5 Max processor with 18 cores for powerful performance
- Supports up to five monitors for enhanced productivity
- Comprehensive connectivity options including Thunderbolt 5 and USB-C
- ENERGY STAR certified for energy efficiency

Product Features

- Compact design**
The ultra-small form factor of the Apple Mac Studio makes it an ideal choice for environments with limited space, ensuring that powerful performance does not require a large footprint.
- High-performance processing**
Equipped with the M5 Max processor, featuring 18 cores, the Apple Mac Studio delivers exceptional performance for demanding applications, addressing a wide range of professional needs.
- Versatile connectivity**
The device includes multiple ports such as Thunderbolt 5, USB-C, and HDMI, ensuring seamless connection to a variety of peripherals and external displays.
- Advanced graphics capabilities**
With a 32-core graphics processor, the Apple Mac Studio supports high-quality visuals and is optimized for creative software, making it suitable for designers and video editors.
- Sustainable choice**
The Mac Studio reflects a commitment to environmental sustainability with a carbon footprint of 314 kg and the use of 100% recycled materials in its construction.

Main specifications

Product Description	Apple Mac Studio - USFF M5 Max - 36 GB - SSD 512 GB
Type	Personal computer - USFF
EU Data Act	https://regulatoryinfo.apple.com/eudataact
Processor	Apple M5 Max (18-core)
Processor Main Features	Neural Accelerators, Hardware-accelerated ray tracing, 460 GB/s memory bandwidth, Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW, video decode engine, 2 video encode engines, 2 ProRes encode and decode engines, AV1 decode
Neural Processor Unit (NPU)	16-core Neural Engine
RAM	36 GB
Hard Drive	SSD 512 GB
Optical Storage	No optical drive
Card Reader	Yes
Graphics Controller	Apple M5 Max 32-core
Supported Digital Video Standards	H.264, HEVC, ProRes, ProRes RAW, AV1
Networking	1GbE, 2.5GbE, 5GbE, 10GbE, 802.11a, Wi-Fi 5, Wi-Fi 6, Wi-Fi 7, 802.11b/g/n, Bluetooth 6.0
Power	(50/60 Hz)
OS Provided	Apple macOS 27 Golden Gate

Software Included	Siri AI, iPhone Mirroring, App Store, Apple Books, Calendar, Contacts, Apple FaceTime, Find My, Apple Freeform, Apple GarageBand, Home, Apple iMovie, Apple Keynote, Mail, Maps, Messages, Music, News, Notes, Apple Numbers, Apple Pages, Passwords, Photo Booth, Photos, Podcasts, Apple Preview, Apple QuickTime Player, Reminders, Apple Safari, Apple Shortcuts, Stocks, Apple Time Machine, Tips, Apple TV, Voice Memos, Weather
Apple Intelligence	Yes
Colour	Silver
Dimensions (WxDxH)	19.7 cm x 19.7 cm x 9.5 cm
Weight	2.7 kg
Environmental Standards	ENERGY STAR Qualified
Carbon Footprint	314 kg carbon emissions
Rare Earth Materials	100% recycled rare earth elements in all magnets
Manufacturer Warranty	Limited warranty - 1 year † Technical support - phone consulting - 90 days

Extended specification

Monitor

Monitor Type	None.
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Processor / Chipset

CPU	Apple M5 Max
Number of Cores	18-core
CPU Qty	1
Max CPU Qty	1
Processor Main Features	Neural Accelerators, Hardware-accelerated ray tracing, 460 GB/s memory bandwidth, Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW, video decode engine, 2 video encode engines, 2 ProRes encode and decode engines, AV1 decode

General

Type	Personal computer
EU Data Act	https://regulatoryinfo.apple.com/eudataact
Product Form Factor	USFF
Built-in Devices	Speaker
Colour	Silver

Power

Device Type	Power supply
Voltage Required	AC 100-240 V (50/60 Hz)
Power Consumption Operational	480 watt

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	5 - 90% (non-condensing)

Dimensions & Weight

Width	19.7 cm
Depth	19.7 cm
Height	9.5 cm
Weight	2.7 kg

Graphics Controller

Graphics Processor	Apple M5 Max 32-core
Video Interfaces	HDMI, USB-C
Max Monitors Supported	5

Sustainability Information

ENERGY STAR Certified	Yes
Carbon Footprint	314 kg carbon emissions
Rare Earth Materials	100% recycled rare earth elements in all magnets

Operating System / Software

OS Provided	Apple macOS 27 Golden Gate
Software	Siri AI, iPhone Mirroring, App Store, Apple Books, Calendar, Contacts, Apple FaceTime, Find My, Apple Freeform, Apple GarageBand, Home, Apple iMovie, Apple Keynote, Mail, Maps, Messages, Music, News, Notes, Apple Numbers, Apple Pages, Passwords, Photo Booth, Photos, Podcasts, Apple Preview, Apple QuickTime Player, Reminders, Apple Safari, Apple Shortcuts, Stocks, Apple Time Machine, Tips, Apple TV, Voice Memos, Weather
Apple Intelligence	Yes

Networking

Wireless LAN Supported	Yes
Wireless NIC	Apple N1
Data Link Protocol	Gigabit Ethernet, 2.5 Gigabit Ethernet, 5 Gigabit Ethernet, 10 Gigabit Ethernet, IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6), IEEE 802.11b, IEEE 802.11be (Wi-Fi 7), IEEE 802.11g, IEEE 802.11n, Bluetooth 6.0
Features	Thread networking technology

RAM

Installed Size	36 GB
Configuration Features	Unified memory

Manufacturer Warranty

Service & Support	Limited warranty - 1 year ¹ , Technical support - phone consulting - 90 days
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Card Reader

Type	Card reader
Supported Flash Memory Cards	SDXC UHS-II Memory Card

Hard Drive

Type	SSD
Capacity	1 x 512 GB

Optical Storage

Type	No optical drive
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Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	16-core Neural Engine
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Multimedia Functionality

Supported Digital Video Standards	H.264, HEVC, ProRes, ProRes RAW, AV1
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Expansion / Connectivity

Interfaces	4 x Thunderbolt 5/USB4/DisplayPort 2.1 - Type C (4 rear) ¦ 2 x USB 3.0 - Type A (2 rear) ¦ 1 x HDMI (1 rear) ¦ 1 x LAN (10Gigabit Ethernet) - RJ-45 (1 rear) ¦ 1 x headphones - mini-jack (1 rear) ¦ 2 x USB-C - Type C (2 in front)
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