

Apple Mac Studio (MHL74ZD/A)

Apple Mac Studio - USFF M5 Ultra - RAM 96 GB - SSD 1 TB - Apple M5 Ultra 64-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 is designed for performance with its ultra-small form factor, making it a versatile addition to any workspace. Equipped with a powerful M5 Ultra processor featuring a 30-core architecture and a 32-core Neural Engine, this desktop excels in handling demanding tasks with efficiency. With 96 GB of unified memory and a 1 TB SSD, it offers seamless multitasking capabilities, ensuring applications run smoothly, even during intensive workloads. The device supports multiple high-definition video outputs and can connect up to 8 monitors, making it ideal for creative professionals and multitaskers alike. In addition to its robust performance, the Mac Studio is designed for energy efficiency. Its extensive connectivity options include Thunderbolt 5, USB4, and HDMI, ensuring compatibility with a range of peripherals. The unit operates effectively within a temperature range of 10°C to 35°C and can withstand various humidity levels, further enhancing its versatility as a reliable computing solution. With its sustainable design featuring 100% recycled rare earth elements in its construction, the Apple Mac Studio is a smart choice for those seeking both power and environmental responsibility.

Key Selling Points

- Powerful M5 Ultra processor with 30 cores and a 32-core Neural Engine
- 96 GB of unified memory and 1 TB SSD for performance
- Supports up to 8 monitors for enhanced productivity
- ENERGY STAR certified for energy-efficient operation
- Compact ultra-small form factor design for versatile workspace integration

Product Features

- Efficient performance**
The M5 Ultra processor with 30 cores delivers high processing power, enabling quick execution of tasks and complex computations. The hardware-accelerated features like ray tracing optimize graphics performance, making it suitable for creative work and heavy multitasking.
- Ample storage**
With 1 TB of SSD storage, the Mac Studio provides significant capacity for storing applications, files, and media. The fast read and write speeds contribute to a smooth user experience and quick access to data.
- Connectivity options**
Equipped with four Thunderbolt 5/USB4 ports and additional HDMI and USB 3.0 ports, the Mac Studio allows for extensive peripheral connections, facilitating easy integration into different setups and enhancing overall functionality.
- Robust graphics support**
The integrated Apple M5 Ultra 64-core graphics deliver exceptional video output, supporting multiple standards and enabling high-resolution displays across various applications, perfect for graphic design, video editing, and gaming.
- Sustainable design**
Constructed using 100% recycled rare earth elements in its magnets, the Mac Studio reflects a commitment to sustainability without compromising performance, making it a responsible choice for eco-conscious users.

Main specifications

Product Description	Apple Mac Studio - USFF M5 Ultra - 96 GB - SSD 1 TB
Type	Personal computer - USFF
EU Data Act	https://regulatoryinfo.apple.com/eudataact
Processor	Apple M5 Ultra (30-core)
Processor Main Features	Neural Accelerators, Hardware-accelerated ray tracing, 1.2 TB/s memory bandwidth, Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW, 2 video decode engines, 4 video encode engines, 4 ProRes encode and decode engines, AV1 decode
Neural Processor Unit (NPU)	32-core Neural Engine
RAM	96 GB
Hard Drive	SSD 1 TB
Optical Storage	No optical drive
Card Reader	Yes
Graphics Controller	Apple M5 Ultra 64-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	3.6 kg
Environmental Standards	ENERGY STAR Qualified
Carbon Footprint	449 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 Ultra
Number of Cores	30-core
CPU Qty	1
Max CPU Qty	1
Processor Main Features	Neural Accelerators, Hardware-accelerated ray tracing, 1.2 TB/s memory bandwidth, Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW, 2 video decode engines, 4 video encode engines, 4 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)

Graphics Controller

Graphics Processor	Apple M5 Ultra 64-core
Video Interfaces	HDMI, USB-C
Max Monitors Supported	8

Dimensions & Weight

Width	19.7 cm
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Depth	19.7 cm
Height	9.5 cm
Weight	3.6 kg

Sustainability Information

ENERGY STAR Certified	Yes
Carbon Footprint	449 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

Manufacturer Warranty

Service & Support	Limited warranty - 1 year ¹ Technical support - phone consulting - 90 days
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RAM

Installed Size	96 GB
Configuration Features	Unified memory

Card Reader

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

Hard Drive

Type	SSD
Capacity	1 x 1 TB

Optical Storage

Type	No optical drive
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Multimedia Functionality

Supported Digital Video Standards	H.264, HEVC, ProRes, ProRes RAW, AV1
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Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	32-core Neural Engine
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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 Thunderbolt 5 - Type C (2 in front)
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