

Apple Mac Studio M2(MQH63B/A)

Mac Studio - M2 Ultra 24core CPU and 60core GPU - 64GB RAM - 1TB SSD - Silver - Z180



Embraced by creative pros everywhere, Mac Studio now delivers next-generation power in the form of the boundary-breaking M2 Ultra. It packs outrageous performance and extensive connectivity in an unbelievably compact form, putting everything you need within easy reach and transforming any space into a studio.

Built from two M2 Max chips, M2 Ultra lets you power through workflows on an unprecedented scale. So, you can quickly transcode and export videos, run complex particle simulations, or work with massive 3D environments that were previously impossible to render.

Key Selling Points

Stunningly compact
Extensive connectivity

Product Features

- Fits right in**
Thanks to the efficiency of Apple silicon, Mac Studio lets M2 Ultra - and your imagination - run completely unrestrained within an unbelievably small footprint. Designed to fit perfectly under most displays, putting prodigious power and connectivity at arm's reach, Mac Studio is a high-performance desktop unlike any other.
- Plays it cool and quiet**
Within the 19.7-centimeter-square Mac Studio enclosure lies a groundbreaking thermal system designed to let M2 Ultra fly through intensive tasks at lightning-fast speeds. Even with so much incredible power, Mac Studio is able to stay whisper quiet, so it never interferes with your workflow.
- Powerful connections**
Mac Studio lets you create the studio of your dreams with an array of 12 high-performance ports. Transfer photos and videos with an SDXC card reader. Connect to TVs or displays with an enhanced HDMI output.
- Designed with the earth in mind**
100 percent recycled materials in its magnets and in the solder of the main logic board. Responsible packaging. A greener supply chain. Mac Studio was engineered to minimize its environmental impact.

Main Specifications

Product Description	Apple Mac Studio - USFF M2 Ultra - 64 GB - SSD 1 TB
Type	Personal computer - USFF
Localisation	Language: English / region: United Kingdom
Processor	Apple M2 Ultra (24-core)
Processor Main Features	2 video decode engines, 4 video encode engines, 4 ProRes encode and decode engines
Neural Processor Unit (NPU)	32-core Neural Engine
RAM	64 GB
Hard Drive	SSD 1 TB
Optical Storage	No optical drive
Card Reader	Yes
Graphics Controller	Apple M2 Ultra 60-core
Supported Digital Video Standards	H.264, HEVC, ProRes, ProRes RAW
Networking	1GbE, 802.11a, 10GbE, 802.11b/g/n, Wi-Fi 5, 5GbE, 2.5GbE, Wi-Fi 6E, Bluetooth 5.3
Power	(50/60 Hz)
OS Provided	Apple macOS Ventura 13.0

Software Included	Apple iMovie, Apple Safari, Apple GarageBand, Photo Booth, Apple Time Machine, Apple FaceTime, Apple Preview, Mail, Maps, Photos, Reminders, App Store, Music, Contacts, Stocks, Notes, Calendar, Siri, Messages, Dictation, Apple Keynote, Apple Pages, Apple Numbers, News, Voice Memos, Podcasts, Home, Apple TV, Find My, Apple Books, Apple Shortcuts, Apple QuickTime Player, Apple Freeform
Colour	Silver
Dimensions (WxDxH)	19.7 cm x 19.7 cm x 9.5 cm
Weight	3.6 kg
Environmental Standards	ENERGY STAR Qualified
Manufacturer Warranty	Limited warranty - 1 year Technical support - phone consulting - 90 days

Extended Specification

General

Type	Personal computer
Product Form Factor	USFF
Built-in Devices	Speaker
Colour	Silver
Localisation	Language: English / region: United Kingdom

Expansion / Connectivity

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

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

Installed Size	64 GB
Configuration Features	Unified memory

Networking

Wireless LAN Supported	Yes
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, 10 Gigabit Ethernet, IEEE 802.11n, IEEE 802.11ac, 5 Gigabit Ethernet, 2.5 Gigabit Ethernet, IEEE 802.11ax (Wi-Fi 6E), Bluetooth 5.3

Miscellaneous

Compliant Standards	BFR-free, PVC-free, Beryllium-free, Mercury-free
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Power

Device Type	Power supply
Voltage Required	AC 100-240 V (50/60 Hz)
Power Consumption Operational	370 Watt

Environmental Parameters

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

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	Apple macOS Ventura 13.0
Software	Apple iMovie, Apple Safari, Apple GarageBand, Photo Booth, Apple Time Machine, Apple FaceTime, Apple Preview, Mail, Maps, Photos, Reminders, App Store, Music, Contacts, Stocks, Notes, Calendar, Siri, Messages, Dictation, Apple Keynote, Apple Pages, Apple Numbers, News, Voice Memos, Podcasts, Home, Apple TV, Find My, Apple Books, Apple Shortcuts, Apple QuickTime Player, Apple Freeform

Monitor

Monitor Type	None.
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Graphics Controller

Graphics Processor	Apple M2 Ultra 60-core
Bandwidth	800 GBps
Video Interfaces	HDMI, USB-C
Max Monitors Supported	8

Hard Drive

Type	SSD
Capacity	1 x 1 TB

Dimensions & Weight

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

Card Reader

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

Multimedia Functionality

Supported Digital Video Standards	H.264, HEVC, ProRes, ProRes RAW
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Processor / Chipset

CPU	Apple M2 Ultra
Number of Cores	24-core
CPU Qty	1
Max CPU Qty	1
Processor Main Features	2 video decode engines, 4 video encode engines, 4 ProRes encode and decode engines

Sustainability Information

ENERGY STAR Certified	Yes
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Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	32-core Neural Engine
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