

Apple Mac mini M6 (MHQK4ZD/A)

Apple Mac mini - M6 - RAM 16 GB - SSD 256 GB - Apple M6 12-core - IEEE 802.11ax (Wi-Fi 6), IEEE 802.11be (Wi-Fi 7), Gigabit Ethernet, 2.5 Gigabit Ethernet, Bluetooth 6.0 - macOS 27 Golden Gate - monitor: none - silver



The Apple Mac mini offers an ultra-small form factor that makes it a choice for those seeking versatility without compromising on performance. Its SSD storage ensures fast data access, while the inclusion of a powerful dual 16-core Neural Engine provides seamless multitasking capabilities. Designed to operate quietly with a sound emission of just 5 dBA, the Mac mini is ideal for home or office environments where noise reduction is valued. Built with sustainability in mind, the device incorporates 100% recycled rare earth elements in its magnets, aligning with eco-friendly principles. Connectivity is robust, featuring multiple Thunderbolt 4/USB4 ports, HDMI, and 2.5 Gigabit Ethernet, ensuring adaptability for various peripherals and high-speed Internet. The Mac mini is not just a desktop; it is a compact powerhouse that fits perfectly into any lifestyle or workspace.

Key Selling Points

- Ultra-small form factor design for space-saving efficiency
- Powerful dual 16-core Neural Engine for enhanced multitasking
- SSD storage for rapid access and responsiveness
- Multiple connectivity options including Thunderbolt 4 and HDMI
- Eco-friendly construction with 100% recycled rare earth elements

Product Features

- Compact design**  
The ultra-small form factor of the Apple Mac mini allows for easy placement in any workspace, making it a versatile choice for both home and office use.
- Powerful performance**  
Equipped with the M6 processor and a 12-core architecture, this system delivers computing power, enabling efficient handling of demanding tasks and applications.
- Fast storage**  
The built-in SSD provides quick data access, reducing load times and enhancing overall system responsiveness for an improved user experience.
- Advanced connectivity**  
Featuring a variety of ports including Thunderbolt 4, USB-C, and HDMI, the Mac mini supports a multitude of devices, ensuring seamless integration into any setup.
- Sustainable materials**  
Constructed with 100% recycled rare earth elements in its magnets, this device emphasizes Apple's commitment to environmental sustainability while maintaining performance.

Main specifications

|                                   |                                                                                                                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description               | Apple Mac mini M6 - 16 GB - SSD 256 GB                                                                                                                                                                                            |
| Type                              | Personal computer                                                                                                                                                                                                                 |
| EU Data Act                       | <a href="https://regulatoryinfo.apple.com/eudataact">https://regulatoryinfo.apple.com/eudataact</a>                                                                                                                               |
| Processor                         | Apple M6 (12-core)                                                                                                                                                                                                                |
| Processor Main Features           | Video decode engine, Hardware-accelerated ray tracing, AV1 decode, 153 GB/s memory bandwidth, video encode engine, Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW, Neural Accelerators, ProRes encode and decode engine |
| Neural Processor Unit (NPU)       | Dual 16-core Neural Engine                                                                                                                                                                                                        |
| RAM                               | 16 GB                                                                                                                                                                                                                             |
| Hard Drive                        | SSD 256 GB                                                                                                                                                                                                                        |
| Optical Storage                   | No optical drive                                                                                                                                                                                                                  |
| Graphics Controller               | Apple M6 12-core                                                                                                                                                                                                                  |
| Supported Digital Audio Standards | AAC, MP3, FLAC, Apple Lossless, Dolby Atmos, Dolby Digital, Dolby Digital Plus                                                                                                                                                    |
| Supported Digital Video Standards | H.264, HEVC, ProRes, AV1                                                                                                                                                                                                          |
| Networking                        | 802.11a, Wi-Fi 5, Wi-Fi 6, Wi-Fi 7, 802.11b/g/n, 1GbE, 2.5GbE, Bluetooth 6.0                                                                                                                                                      |
| Power                             | (50/60 Hz)                                                                                                                                                                                                                        |
| OS Provided                       | Apple macOS 27 Golden Gate                                                                                                                                                                                                        |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Software Included       | Apple FaceTime, Siri, App Store, Apple Books, Calendar, Contacts, Find My, Apple Freeform, Apple GarageBand, Home, Apple iMovie, iPhone Mirroring, 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, Voice Memos, Weather, Siri AI, Apple TV |
| Apple Intelligence      | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Colour                  | Silver                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Dimensions (WxDxH)      | 12.7 cm x 12.7 cm x 5 cm                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Weight                  | 670 g                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Environmental Standards | ENERGY STAR Qualified                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Carbon Footprint        | 30 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

### General

|                     |                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------|
| Type                | Personal computer                                                                                   |
| EU Data Act         | <a href="https://regulatoryinfo.apple.com/eudataact">https://regulatoryinfo.apple.com/eudataact</a> |
| Product Form Factor | Mini                                                                                                |
| Built-in Devices    | Speaker                                                                                             |
| Colour              | Silver                                                                                              |

### Expansion / Connectivity

|            |                                                                                                                                                                                         |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces | 3 x Thunderbolt 4/USB4/DisplayPort 2.1 - Type C (3 rear) ¦ 2 x USB-C - Type C (2 front) ¦ 1 x HDMI (1 rear) ¦ 1 x LAN (2.5Gigabit Ethernet) - RJ-45 (1 rear) ¦ 1 x headphones (1 front) |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Manufacturer Warranty

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

### RAM

|                        |                |
|------------------------|----------------|
| Installed Size         | 16 GB          |
| Configuration Features | Unified memory |

### Networking

|                        |                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wireless LAN Supported | Yes                                                                                                                                                                                           |
| Wireless NIC           | Apple N1                                                                                                                                                                                      |
| Data Link Protocol     | 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, Fast Ethernet, Gigabit Ethernet, 2.5 Gigabit Ethernet, Bluetooth 6.0 |
| Features               | Thread networking technology                                                                                                                                                                  |

### Power

|                               |                         |
|-------------------------------|-------------------------|
| Device Type                   | Power supply            |
| Voltage Required              | AC 100-240 V (50/60 Hz) |
| Power Consumption Operational | 155 watt                |

### Environmental Parameters

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

Optical Storage

|      |                  |
|------|------------------|
| Type | No optical drive |
|------|------------------|

Operating System / Software

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OS Provided        | Apple macOS 27 Golden Gate                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Software           | Apple FaceTime, Siri, App Store, Apple Books, Calendar, Contacts, Find My, Apple Freeform, Apple GarageBand, Home, Apple iMovie, iPhone Mirroring, 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, Voice Memos, Weather, Siri AI, Apple TV |
| Apple Intelligence | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Monitor

|              |       |
|--------------|-------|
| Monitor Type | None. |
|--------------|-------|

Graphics Controller

|                        |                  |
|------------------------|------------------|
| Graphics Processor     | Apple M6 12-core |
| Video Interfaces       | HDMI, USB-C      |
| Max Monitors Supported | 3                |

Hard Drive

|          |            |
|----------|------------|
| Type     | SSD        |
| Capacity | 1 x 256 GB |

Dimensions & Weight

|        |         |
|--------|---------|
| Width  | 12.7 cm |
| Depth  | 12.7 cm |
| Height | 5 cm    |
| Weight | 670 g   |

Multimedia Functionality

|                                   |                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------|
| Supported Digital Audio Standards | AAC, MP3, FLAC, Apple Lossless, Dolby Atmos, Dolby Digital, Dolby Digital Plus |
| Supported Digital Video Standards | H.264, HEVC, ProRes, AV1                                                       |

Processor / Chipset

|                         |                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                     | Apple M6                                                                                                                                                                                                                          |
| Number of Cores         | 12-core                                                                                                                                                                                                                           |
| CPU Qty                 | 1                                                                                                                                                                                                                                 |
| Max CPU Qty             | 1                                                                                                                                                                                                                                 |
| Processor Main Features | Video decode engine, Hardware-accelerated ray tracing, AV1 decode, 153 GB/s memory bandwidth, video encode engine, Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW, Neural Accelerators, ProRes encode and decode engine |

Sustainability Information

|                       |                                                  |
|-----------------------|--------------------------------------------------|
| ENERGY STAR Certified | Yes                                              |
| Carbon Footprint      | 30 kg carbon emissions                           |
| Rare Earth Materials  | 100% recycled rare earth elements in all magnets |

Neural Processor Unit (NPU)

|                             |                            |
|-----------------------------|----------------------------|
| Neural Processor Unit (NPU) | Dual 16-core Neural Engine |
|-----------------------------|----------------------------|

*\*TD SYNEX is not responsible for errors in the documentation of products.*