Apple iMac 24-inch with Retina 4.5K display: M6 chip with 12-core CPU and 12-core GPU, 24GB, 512GB SSD - Silver



Brand : Apple

Product family: iMac

Product code: MH164KS/A

Product name : 24-inch iMac with Retina 4.5K display: Apple M6 chip with 12-core CPU and 12-core GPU, 24GB, 512GB SSD - Silver

- The all-new M6 chip. Zip through tasks with flying colors
- Seven vibrant colors. Strikingly thin design. It’s the world’s best all-in-one desktop
- A powerful platform for AI. From brainstorming ideas with Siri AI to next-level productivity across everyday apps
- A stunning 24-inch 4.5K Retina display. See it all on the big screen
- macOS. More features than ever. Incredibly fast and responsive. Delightful in every way
- iMac and iPhone. Work wonders together.

iMac 24", 4.5K Retina, Apple M6 (CPU 12-core, GPU 12-core), Dual Neural Engine (16-core), 24GB, 512GB SSD, 12MP, 4 x Thunderbolt/USB 4, 3.5 mm, Magic Mouse, Magic Keyboard, macOS



Display	
Display diagonal *	59.7 cm (23.5")
Display resolution *	4480 x 2520 pixels
Touchscreen *	✕
HD type *	4.5K Ultra HD
Display brightness	500 cd/m²
Display technology marketing name	Retina
Pixel density	218 ppi
High Dynamic Range (HDR) technology	Dolby Vision, High Dynamic Range 10 (HDR10), High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG)
RGB colour space	DCI-P3
True Tone technology	✔
Number of external displays supported	2

Processor	
Processor manufacturer *	Apple
Processor family *	Apple M
Processor generation	Apple M 6th Gen
Processor model *	M6
Processor cores	12
Performance cores	6
Efficient cores	6
Coprocessor model	Neural Engine

Neural processor unit (NPU)	
Neural processor unit (NPU)	Apple Neural Engine (ANE)
Neural processor unit (NPU) cores	16

Memory	
Internal memory *	24 GB
Memory form factor	On-board

Storage	
Total storage capacity *	512 GB

Camera	
Camera HD type	Full HD

Network	
Wi-Fi *	✔
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Ethernet LAN *	✔
Ethernet LAN data rates	2500 Mbit/s
Bluetooth *	✔
Bluetooth version	6.0

Ports & interfaces	
Intel® Thunderbolt 4	✔
Thunderbolt 4 ports quantity	4
Headphone outputs	1

Design	
Product colour *	Silver
Introduction year	2026
Introduction month	October
On/off button	✔

Performance	
Product type *	All-in-One PC

Software	
Apple Intelligence	✔
Operating system installed *	macOS Golden Gate
Virtual assistant	Apple Siri

Brand-specific features	
Brand specific technologies	True Tone, Wide color (P3)

Storage	
Storage media *	SSD
Number of SSDs installed	1
Optical drive type *	✗

Graphics	
Discrete graphics card *	✗
Discrete graphics card model *	Not available
On-board graphics card *	✓
On-board GPU manufacturer	Apple
On-board graphics card family	Apple
On-board graphics card model *	Apple GPU
On-board graphics card cores	12
On-board graphics card 6K support	✓

Audio	
Built-in speaker(s) *	✓
Number of speakers	6
Built-in microphone	✓
Audio decoders	Dolby Digital, Dolby Digital Plus, Dolby Atmos
Spatial audio	✓

Camera	
Built-in camera *	✓
Total megapixels	12 MP
Camera resolution	1920 x 1080 pixels

Brand-specific features	
Accessibility features	VoiceOver, Zoom, Voice Control, Switch Control, Live Captions, Motion display and text settings, Accessibility Reader, Personal Voice and Live Speech

Power	
AC adapter power	143 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V

Weight & dimensions	
Width (with stand)	547 mm
Depth (with stand)	147 mm
Height (with stand)	461 mm
Weight (with stand)	4.44 kg
Width (without stand)	547 mm
Package width	168.6 mm
Package depth	568.8 mm
Package height	641.1 mm
Package weight	9.14 kg

Operational conditions	
Operating temperature (T-T)	10 - 35 °C
Operating relative humidity (H-H)	5 - 90%
Operating altitude	0 - 5000 m

Sustainability	
Sustainability certificates	ENERGY STAR

Packaging content	
Mouse included	✓
Keyboard included	✓
Keyboard with Touch ID	✓
Cables included	AC, USB Type-C

Other features	
Video compression formats	AV1, ProRes, H.264, HEVC
Video formats supported	H.264, HEVC
TV tuner integrated	✗

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