

Apple MacBook Pro M5 16" (MGE44B/A)

MacBook Pro 16inch M5 Pro chip with 18-core CPU and 20-core GPU 24GB RAM 1TB SSD Silver Z1MV



The Apple MacBook Pro is designed to elevate your productivity through its powerful features and stunning display. With a Liquid Retina XDR display offering clarity and vibrant color support, enjoy a viewing experience that brings every detail to life. The advanced M5 Pro Processor delivers performance ideal for handling demanding tasks and applications seamlessly. Stay connected and productive with a robust connectivity suite, including USB4/Thunderbolt 5, ensuring compatibility with devices and peripherals. Equipped with an advanced audio system that includes six speakers, experience wide stereo sound and Spatial Audio support that enriches your media consumption. The 12-megapixel FaceTime camera enhances video calls with its high resolution and advanced image signal processing capabilities. The MacBook Pro is constructed with eco-friendly materials, featuring 100% recycled rare earth elements, making it a sustainable choice for users who are environmentally conscious.

Key Selling Points

- Liquid Retina XDR display with vibrant color support
- M5 Pro Processor for exceptional performance
- Advanced audio system with wide stereo sound
- 12-megapixel FaceTime camera for clear video calls
- Eco-friendly construction with recycled materials

Product Features

- Vibrant display**
The Liquid Retina XDR display offers 1 billion colors and peak brightness of 1600 cd/m2, ensuring vivid visuals and sharp image quality for all applications.
- Powerful performance**
The M5 Pro Processor features hardware-accelerated ray tracing and Neural Accelerators, providing speed and efficiency for demanding tasks.
- Immersive audio experience**
Featuring six speakers with force-cancelling woofers and Spatial Audio support, the audio system delivers a rich sound experience perfect for entertainment.
- High-quality webcam**
A 12-megapixel FaceTime camera with advanced ISP ensures clear video and includes features like center stage for an engaging video call experience.
- Sustainable design**
Constructed with 100% recycled rare earth materials, the MacBook Pro emphasizes eco-friendliness while delivering performance and durability.

Main specifications

Product Description	Apple MacBook Pro - 16.2" - Apple M5 Pro - 24 GB RAM - 1 TB SSD - UK
Product Type	Notebook
EU Data Act	https://regulatoryinfo.apple.com/eudataact
Operating System	Apple macOS Tahoe 26
Processor	Apple M5 Pro
Neural Processor Unit (NPU)	16-core Neural Engine
Memory	24 GB (unified memory)
Storage	1 TB SSD
Display	16.2" 3456 x 2234 @ 120 Hz - 254 ppi
Graphics	Apple M5 Pro 20-core
Input Device	Force Touch trackpad
Keyboard	UK
Keyboard Backlight	Yes
Integrated Webcam	Yes
Apple Intelligence	Yes
Networking	802.11a/b/g/n/ac/ax/be, Bluetooth 6.0
Battery	Up to 24 hours
Features	Ambient light sensor
Security	Fingerprint reader
Colour	Silver

Dimensions (WxDxH)	35.57 cm x 24.81 cm x 1.68 cm
Weight	2.14 kg
Localisation	Language: English / region: United Kingdom
Environmental Standards	ENERGY STAR Qualified
Carbon Footprint	280 kg carbon emissions
Rare Earth Materials	100% recycled rare earth elements in all magnets
Specific Absorption Rate (SAR)	0.63 W/kg (body) ¦ 0.63 W/kg (limb)
Manufacturer Warranty	Limited warranty - 1 year ¦ Technical support - phone consulting - 90 days

Extended specification

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	0 - 90% (non-condensing)

Processor / Chipset

CPU	Apple M5 Pro
Number of Cores	18-core
Performance Cores	6
Efficient Cores	12
Features	Hardware-accelerated ray tracing, Neural Accelerators, 307 GB/s memory bandwidth

Miscellaneous

Colour	Silver
Case Material	Aluminum
Integrated Options	Ambient light sensor
Security	Fingerprint reader
Features	Live speech, personal voice, accessibility reader, Apple N1 wireless networking chip, VoiceOver screen reader, Voice Control, Closed Captions, Switch Control, Live Captions, PVC free
Included Accessories	USB-C to MagSafe 3 charge cable (2m)
Specific Absorption Rate (SAR)	0.63 W/kg (body) ¦ 0.63 W/kg (limb)
Localization	Language: English / region: United Kingdom

Software

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

Display

Type	16.2"
Resolution	3456 x 2234
V-Sync Rate at Max Res.	120 Hz
Widescreen	Yes
Pixel Density (ppi)	254
Image Brightness	1000 cd/m²
Colour Support	1 billion colours

Features	Zoom, ProMotion technology, HDR10 compatible, HLG gamma, P3 Wide Color Gamut, Extreme Dynamic Range (XDR), True Tone technology, standard glass, Dolby Vision, 1000 cd/m² max full-screen brightness, 1600 cd/m² peak brightness (HDR), HDR10+, Liquid Retina XDR display, HDR compliance
Keyboard Name	Apple Magic Keyboard with Touch ID

Sustainability Information

ENERGY STAR Certified	Yes
Carbon Footprint	280 kg carbon emissions
Rare Earth Materials	100% recycled rare earth elements in all magnets
Product Recycled Content	45 % - recycled materials
Packaging Recycled Content	100 % - recycled fibre

Input

Type	Keyboard, Force Touch trackpad
Keyboard Backlight	Yes
Keyboard Layout	UK
Features	Pressure sensitivity, multi-touch touchpad, Multi-Touch Gesture Recognition, force click, Touch ID sensor

Battery

Technology	Lithium polymer
Capacity	100 Wh
Run Time	Up to 24 hours
Battery Run Time	Video playback: up to 24 hour(s) Web browsing over Wi-Fi: up to 17 hour(s)

Manufacturer Warranty

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

Product Type	Notebook
Operating System	Apple macOS Tahoe 26
EU Data Act	https://regulatoryinfo.apple.com/eudataact

Dimensions & Weight

Dimensions (WxDxH)	35.57 cm x 24.81 cm x 1.68 cm
Weight	2.14 kg

Audio & Video

Graphics Processor	Apple M5 Pro 20-core
Max Monitors Supported	3 external monitor(s)
Video System Features	Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW, video decode engine, ProRes encode and decode engine, video encode engine, AV1 decode
Camera	Yes - 1080p
Resolution	12 Megapixel
Camera Features	Advanced image signal processor (ISP), FaceTime 1080p HD camera, desk view support, centre stage camera
Sound	Six speakers, 3 beam-forming microphone array
Compliant Standards	Dolby Digital Plus, Dolby Atmos, Dolby Digital
Audio Features	Output: wide stereo sound, Spatial Audio support, force-cancelling woofers

Connections & Expansion

Interfaces Details	3 x USB4/Thunderbolt 5/DisplayPort 2.1 (charging) ¦ Headphone output ¦ HDMI
Memory Card Reader	Yes (SDXC Card)

Storage

Main Storage	1 TB SSD soldered
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Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	16-core Neural Engine
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Memory

RAM	24 GB (unified memory)
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Communications

Wireless	802.11a/b/g/n/ac/ax/be, Bluetooth 6.0
Features	Thread networking technology

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet