

Apple MacBook Pro M5 16" (MGED4B/A)

MacBook Pro 16inch M5 Max chip with 18-core CPU and 32-core GPU 36GB RAM 2TB SSD Space Black Z1N1



The Apple MacBook Pro combines high-performance capabilities with an elegant design for professionals and creatives alike. With its 18-core M5 Max processor and 16-core Neural Engine, this notebook offers performance for demanding tasks such as video editing and software development. The unified memory configuration ensures that applications run smoothly, while the 2 TB SSD provides ample storage for projects and files. Equipped with a Liquid Retina XDR display, the MacBook Pro supports a 120 Hz refresh rate, HDR10+, and an impressive brightness of up to 1600 cd/m2, delivering visuals for any content. Beyond its performance, the MacBook Pro excels in sound quality with a six-speaker system that produces wide stereo sound and supports Spatial Audio. The 12-megapixel FaceTime HD camera with advanced image processing enhances video calls, while features like Touch ID and a Force Touch trackpad add convenience and security. Committed to sustainability, this MacBook Pro uses 100% recycled rare earth materials in its magnets and offers packaging made from recycled fiber. Its robust connectivity options include USB4/Thunderbolt 5 and HDMI, ensuring compatibility with a range of devices.

Key Selling Points

- M5 Max processor with 18-core performance for intensive tasks
- Liquid Retina XDR display with P3 Wide Color Gamut for vibrant visuals
- Advanced six-speaker system supporting Spatial Audio and Dolby Atmos
- 12-megapixel FaceTime HD camera for high-quality video calls
- Sustainable design utilizing recycled materials and energy-efficient technology

Product Features

- High-quality audio experience**
The six-speaker system delivers wide stereo sound with force-canceling woofers and support for Spatial Audio, providing immersive audio quality for music, movies, and video calls.
- Brilliant display technology**
Featuring a Liquid Retina XDR display, the notebook supports HDR10+, P3 Wide Color Gamut, and offers peak brightness of 1600 cd/m2, allowing for visual detail and color accuracy.
- Advanced webcam capabilities**
The 12-megapixel FaceTime HD camera features desk view support and center stage camera capabilities, ensuring clear, high-quality video during calls and presentations.
- Robust processing power**
Equipped with the M5 Max processor and 18 cores, the MacBook Pro can seamlessly handle graphics-intensive applications, benefiting from hardware-accelerated ray tracing for enhanced visual effects.
- Green technology initiatives**
Commitment to sustainability is demonstrated through the use of 100% recycled rare earth materials in all magnets and 45% recycled content across its components, reducing environmental impact.

Main Specifications

Product Description	Apple MacBook Pro - 16.2" - Apple M5 Max - 36 GB RAM - 2 TB SSD - UK
Product Type	Notebook
EU Data Act	https://regulatoryinfo.apple.com/eudataact
Operating System	Apple macOS Tahoe 26
Processor	Apple M5 Max
Neural Processor Unit (NPU)	16-core Neural Engine
Memory	36 GB (unified memory)
Storage	2 TB SSD
Display	16.2" 3456 x 2234 @ 120 Hz - 254 ppi
Graphics	Apple M5 Max 32-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 22 hours

Features	Ambient light sensor
Security	Fingerprint reader
Colour	Space black
Dimensions (WxDxH)	35.57 cm x 24.81 cm x 1.68 cm
Weight	2.15 kg
Localisation	Language: English / region: United Kingdom
Environmental Standards	ENERGY STAR Qualified
Carbon Footprint	324 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

General

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

Memory

RAM	36 GB (unified memory)
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Manufacturer Warranty

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

Main Storage	2 TB SSD soldered
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Miscellaneous

Colour	Space black
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

Environmental Parameters

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

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

Battery

Technology	Lithium polymer
Capacity	100 Wh
Run Time	Up to 22 hours
Battery Run Time	Video playback: up to 22 hour(s) Web browsing over Wi-Fi: up to 16 hour(s)

Communications

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

Dimensions & Weight

Dimensions (WxDxH)	35.57 cm x 24.81 cm x 1.68 cm
Weight	2.15 kg

Processor / Chipset

CPU	Apple M5 Max
Number of Cores	18-core
Performance Cores	6
Efficient Cores	12
Features	Hardware-accelerated ray tracing, Neural Accelerators, 460 GB/s memory bandwidth

Audio & Video

Graphics Processor	Apple M5 Max 32-core
Max Monitors Supported	4 external monitor(s)
Video System Features	Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW, video decode engine, two ProRes encode and decode engines, two video encode engines, 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

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

Connections & Expansion

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

Sustainability Information

ENERGY STAR Certified	Yes
Carbon Footprint	324 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

Neural Processor Unit (NPU)

Neural Processor Unit (NPU)	16-core Neural Engine
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Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet