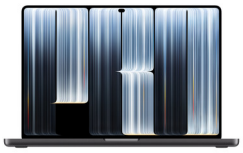
Apple MacBook Pro 16-inch with PROLED XDR display: M5 Pro chip with 18-core CPU and 20-core GPU, 48GB, 1TB SSD - Space Black



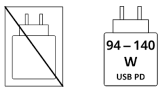
Brand : Apple **Product family:** MacBook Pro **Product code:** MMFA4KS/A

Product name : 16-inch MacBook Pro with PROLED XDR display: Apple M5 Pro chip with 18-core CPU and 20-core GPU, 48GB, 1TB SSD - Space Black

- PROLED XDR. The world’s best laptop display. With true-to-life colour and unparalleled brightness and contrast
- Touch. A new dimension for pro workflows
- M5 Pro and M5 Max chips. Superfast for demanding tasks
- A powerful platform for AI. Smart to the core
- Up to 24 hours of battery life. Work, create and play from anywhere
- Dynamic Island. See your activities, alerts and notifications at a glance

16.3" MacBook Pro PROLED XDR Display, 3472x2266px, Apple M5 Pro chip 18-core CPU and 20-core GPU, 48GB unified memory, 1TB SSD, SDXC, HDMI, 3.5 mm, MagSafe 3, 3 x Thunderbolt 5, Wi-Fi 7, Bluetooth 6, macOS





Design	
Colour name	Space Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Aluminium
Introduction year	2026
Introduction month	October
Certified refurbished	✗

Display	
Display diagonal *	41.4 cm (16.3")
Display resolution *	3472 x 2266 pixels
Touchscreen *	✓
Panel type	OLED
Display technology marketing name	PROLED XDR
Display number of colours	1.073 billion colours
Anti-reflective coating	✓
Oleophobic coating	✓
Fingerprint resistant	✓
Display glass type	Standard glass
Display brightness	1000 cd/m²
Maximum display brightness (HDR)	2000 cd/m²
Standard Dynamic Range (SDR) brightness	1000 cd/m²
Pixel density	254 ppi
RGB colour space	Adobe RGB
True Tone technology	✓
Maximum refresh rate	120 Hz
Contrast ratio (typical)	10000000:1

Audio	
Number of microphones	3
Audio beamforming	✓
Microphone modes	Voice Isolation, Wide Spectrum

Camera	
Front camera	✓
Front camera resolution (numeric)	12 MP
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Smart framing	Center Stage

Network	
Mobile network generation	Not supported
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✗
Ethernet LAN	✗
Bluetooth	✓
Bluetooth version	6.0
Bluetooth Low Energy (BLE)	✓
Wireless networking chip	Apple N1
Thread networking technology	✓

Ports & interfaces	
HDMI ports quantity *	1
Thunderbolt 5 ports quantity	3
Intel® Thunderbolt 5	✓
Headphone outputs	1
Docking connector	✓

Display	
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	Dolby Vision, High Dynamic Range 10+ (HDR10 Plus), High Dynamic Range 10 (HDR10), Hybrid Log-Gamma (HLG), Extreme Dynamic Range (XDR)
ProMotion technology	✔
Number of external displays supported	3
Display reference modes	Apple XDR Display (P3-2000 nits) Apple XDR Display (P3 + Adobe RGB-2000 nits) HDR Video (P3-ST 2084) HDTV Video (BT.709-BT.1886) NTSC Video (BT.601 SMPTE-C) PAL and SECAM Video (BT.601 EBU) Digital Cinema (P3-DCI) Digital Cinema (P3-D65) Design and Print (P3-D50) Design and Print (Adobe RGB-D50) Photography (P3-D65) Photography (Adobe RGB-D65) HDR Photography (P3-D65) Internet and Web (sRGB) Medical Imaging (DICOM-350 nits) Medical Imaging (DICOM-600 nits)

Processor	
Processor manufacturer *	Apple
Processor family *	Apple M
Processor generation	Apple M 5th Gen
Processor model *	M5 Pro
Processor cores	18
Performance cores	18

Neural processor unit (NPU)	
Number of neural processor units (NPUs)	1
Neural processor unit (NPU)	Apple Neural Engine (ANE)
Neural processor unit (NPU) cores	16

Memory	
Internal memory *	48 GB
Memory form factor	On-board

Storage	
Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
Intel® Optane™ Memory module installed	✘
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SDXC

Graphics	
On-board graphics card *	✔
On-board GPU manufacturer	Apple
Discrete graphics card *	✘
On-board graphics card family	Apple
On-board graphics card model *	Apple GPU
On-board graphics card cores	20
On-board graphics card 4K support	✔
On-board graphics card 6K support	✔
On-board graphics card 8K support	✔
Ray tracing acceleration	✔

Ports & interfaces	
Charging port type	MagSafe 3
USB Type-C DisplayPort Alternate Mode	✔

Performance	
Ambient light sensor	✔
Voice control	✔

Keyboard	
Pointing device	Trackpad
Numeric keypad *	✘
Keyboard backlit	✔
Pressure sensing trackpad	✔

Software	
Apple Intelligence	✔
Virtual assistant	Apple Siri
Pre-installed software	App Store; Books; Calendar; Contacts; FaceTime; Find My; Freeform; Games; GarageBand; Home; iMovie; iPhone Mirroring; Journal; Keynote; Mail; Maps; Messages; Music; News; Notes; Numbers; Pages; Passwords; Phone; Photo Booth; Photos; Podcasts; Preview; QuickTime Player; Reminders; Safari; Shortcuts; Stocks; Time Machine; Tips; TV; Voice Memos; Weather
Operating system installed *	macOS Golden Gate

Processor special features	
Video decode engine	✔
Video encode engine	✔

Brand-specific features	
Brand specific technologies	Wide color (P3)
Accessibility features	VoiceOver, Zoom, Voice Control, Switch Control, Closed Captions, Live Captions, Accessibility Reader, Personal Voice, Live Speech, Motion & display and text settings, AssistiveTouch, Touch Accommodations, Personal Voice and Live Speech

Battery	
Battery technology	Lithium Polymer (LiPo)
Battery capacity *	100 Wh
Browsing time (Wi-Fi) (max)	17 h
Continuous video playback time (streamed) (max)	24 h
Fast charging	✔

Power	
AC adapter frequency	50/60 Hz
AC adapter input voltage	100 - 240 V
USB Type-C charging port *	✔
USB Type-C required charging power (min) *	94 W
USB Type-C required charging power (max) *	140 W
USB Power Delivery (USB PD)	✔

Security	
Fingerprint reader	✔

Operational conditions	
Operating temperature (T-T)	10 - 35 °C

Graphics	
Memory bandwidth (max)	307 GB/s

Audio	
Spatial audio	✔
Wide stereo sound	✔
Number of built-in speakers	6
Built-in microphone	✔

Operational conditions	
Storage temperature (T-T)	-25 - 45 °C
Operating relative humidity (H-H)	0 - 90%
Operating altitude	0 - 3000 m
Non-operating altitude	0 - 4572 m
Maximum shipping altitude	10668 m

Sustainability	
Sustainability certificates	ENERGY STAR

Weight & dimensions	
Width	355.5 mm
Depth	244.2 mm
Height	16 mm
Weight *	1.82 kg

Packaging data	
Package width	655 mm
Package depth	398 mm
Package height	385.8 mm
Package weight	2.69 kg

Video	
Video formats supported	H.264, HEVC, ProRes, ProRes RAW, AV1
Genlock	✔

Packaging content	
AC adapter included *	✘
Cables included	USB Type-C to MagSafe 3

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