# Apple MacBook Pro 14-inch : M6 chip with 12-core CPU and 12-core GPU, 24GB, 1TB SSD - Space Black

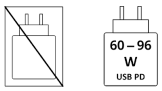
**Brand :** Apple **Product family:** MacBook Pro **Product code:** MHWU4B/A

**Product name :** 14-inch MacBook Pro: Apple M6 chip with 12-core CPU and 12-core GPU, 24GB, 1TB SSD - Space Black



14.2" MacBook Pro, Liquid Retina XDR, 3024 x 1964px, Apple M6 chip 12-core CPU, 12-core GPU, 24GB unified memory, 1TB SSD, SDXC, HDMI, 3.5 mm, MagSafe 3, 3 x Thunderbolt 4, Wi-Fi 7, Bluetooth 6, macOS
Apple MacBook Pro 14-inch : M6 chip with 12-core CPU and 12-core GPU, 24GB, 1TB SSD - Space Black. Product type: Laptop, Form factor: Clamshell. Processor family: Apple M, Processor model: M6. Display diagonal: 36.1 cm (14.2"), Display resolution: 3024 x 1964 pixels. Internal memory: 24 GB. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Apple GPU. Operating system installed: macOS Golden Gate. Product colour: Black. Weight: 1.55 kg






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

| Display | |
|---|---|
| Display diagonal * | 36.1 cm (14.2") |
| Display resolution * | 3024 x 1964 pixels |
| Touchscreen * | ✕ |
| Display technology marketing name | Liquid Retina XDR |
| Display number of colours | 1.073 billion colours |
| Display glass type | Standard glass |
| Display brightness | 1000 cd/m² |
| Maximum display brightness (HDR) | 1600 cd/m² |
| Standard Dynamic Range (SDR) brightness | 1000 cd/m² |
| Pixel density | 254 ppi |
| True Tone technology | ✔ |
| Maximum refresh rate | 120 Hz |
| Contrast ratio (typical) | 1000000:1 |
| 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 | ✔ |

| 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 4 ports quantity | 3 |
| Intel® Thunderbolt 4 | ✔ |
| Headphone outputs | 1 |
| Docking connector | ✔ |
| Charging port type | MagSafe 3 |
| Headphone connectivity | 3.5 mm |
| USB Type-C DisplayPort Alternate Mode | ✔ |

| Performance | |
|---|---|
| Ambient light sensor | ✔ |

| Display | |
|---|---|
| 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 |

| Neural processor unit (NPU) | |
|---|---|
| Number of neural processor units (NPUs) | 2 |
| 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 * | 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 | 12 |
| On-board graphics card 4K support | ✓ |
| On-board graphics card 6K support | ✓ |
| On-board graphics card 8K support | ✓ |
| Ray tracing acceleration | ✓ |
| Memory bandwidth (max) | 170 GB/s |

| Audio | |
|---|---|
| Spatial audio | ✓ |
| Number of built-in speakers | 6 |
| Built-in microphone | ✓ |
| Number of microphones | 3 |
| Audio formats supported | AAC, MP3, FLAC |
| Dolby technologies | Dolby Digital, Dolby Digital Plus, Dolby Atmos |
| Microphone modes | Voice Isolation, Wide Spectrum |

| Camera | |
|---|---|
| Front camera | ✓ |

| Performance | |
|---|---|
| Voice control | ✓ |

| Keyboard | |
|---|---|
| Pointing device | Trackpad |
| Numeric keypad * | ✗ |
| Keyboard backlit | ✓ |
| Pressure sensing trackpad | ✓ |

| Software | |
|---|---|
| Apple Intelligence | ✓ |
| 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 |

| Battery | |
|---|---|
| Battery technology | Lithium Polymer (LiPo) |
| Battery capacity * | 72.4 Wh |
| Browsing time (Wi-Fi) (max) | 16 h |
| Continuous video playback time (streamed) (max) | 24 h |
| Fast charging | ✓ |

| Power | |
|---|---|
| USB Type-C charging port * | ✓ |
| USB Type-C required charging power (min) * | 60 W |
| USB Type-C required charging power (max) * | 96 W |
| USB Power Delivery (USB PD) | ✓ |

| Security | |
|---|---|
| Fingerprint reader | ✓ |

| Operational conditions | |
|---|---|
| Operating temperature (T-T) | 10 - 35 °C |
| 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 | 312.6 mm |

| | |
|---|---|
| **Weight & dimensions** | |
| Depth | 221.2 mm |
| Height | 15.5 mm |
| Weight * | 1.55 kg |
| **Packaging data** | |
| Package width | 61.2 mm |
| Package depth | 356.8 mm |
| Package height | 263.8 mm |
| Package weight | 2.34 kg |
| **Video** | |
| Video formats supported | H.264, HEVC, ProRes, ProRes RAW, AV1 |
| **Packaging content** | |
| AC adapter included * | ✕ |
| Cables included | USB Type-C to MagSafe 3 |
| **Other features** | |
| Warranty period | 1 year(s) |



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