



MOBILE PHONE POCO F7 PRO/12/512GB SILVER MZB0J8VEU POCO

Model: MZB0J8VEU

Manufacturer: POCO

EAN: 6932554411572

Product Code: 332523

R11,727

Ultra performance unleashed

Snapdragon® 8 Gen 3

Supreme performance and incomparable power efficiency

Utilizing TSMC's advanced 4nm process technology, this chipset features a 1+5+2 architecture, achieving a maximum clock speed of 3.3GHz. With AI deeply integrated at the chip level, it delivers explosive performance, effortlessly handling high-load gaming scenarios, ensuring smoother multitasking, and offering superior power efficiency.

Super resolution rendering

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Experience stunning 2K super resolution on your POCO F7 Pro, powered by the self-developed image algorithm that delivers superior visual quality that beyond native image quality.

Up to 120FPS Smart frame rate

Smooth and seamless experience

Experience buttery-smooth gameplay with up to 120FPS frame interpolation in large mainstream games, ensuring lower power consumption and even more fluid visuals

LiquidCool Technology 4.0

3D Dual-channel IceLoop system

POCO's first 3D dual-channel IceLoop system increases the contact area between the loop heat pipe and the SoC, reducing the SoC temperature by up to 3°C. Dual-channel design provides dedicated thermal loop for SoC and camera, significantly enhancing heat dissipation efficiency.

User-oriented thermal conductivity structure

Ergonomics are employed to plan a heat conduction path, improving the in-hand temperature experience during use.

Intelligent temperature control

Along with 12 temperature sensors, AI intelligently identifies 30+ user scenarios to achieve intelligent temperature control.

Ultrapower battery unleashed

Massive 6000mAh (typ) battery

Next-gen breakthrough in battery capacity

The battery capacity of POCO F7 Pro increased by 1000mAh, and battery energy density of 742Wh/L improved by 10.5%, allowing for a larger battery capacity within the same battery volume.

90W HyperCharge

The POCO Surge P3 charging chipset and Surge G1 battery management chipset work in tandem to improve charging efficiency, maintain battery health and extend battery life. After 1,600 cycles, battery capacity retention rate $\geq 80\%$.

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2K 120Hz Flow AMOLED display

Stunning visuals

The 6.67" large screen with 2K resolution offers numerous upgraded features, creating an immersive visual experience.

Ultra-thin bezel design

Immersive and wide field of view

POCO F7 Pro uses the advanced screen wiring technology to make the bottom bezel as narrow as 1.9mm for an unimpeded viewing experience.

Ultrapower touch experience

AI-powered control technology

Leveraging AI-powered intelligent sensing and detection technology, the touch experience of the POCO F7 Pro has been fully optimized. It effortlessly handles water, oil, and stains on hands while maintaining exceptional touch sensitivity. Even when wearing gloves, the touch experience remains smooth and uninterrupted.

Ultrapower design unleashed

All-new design

Eye-catching

All-new deco design unleashes sense of speed, power and exceptional performance

Cinema-level 13.2EV

POCO's highest dynamic range main camera

Thanks to Light Fusion 800 image sensor, photos exhibit richer light and shadow layers, instantly restoring authentic texture.

POCO AISP

POCO's first AI computational

photography platform

POCO AISP integrates the computational power of the CPU, GPU, NPU, and ISP through Xiaomi HyperOS. This results in a seamless fusion of software and hardware for advanced computational photography capabilities, significantly enhancing the efficiency of end-to-end image processing. With

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exceptional processing speed and intelligent scene optimization, it delivers professional-grade results in a single step, making every captured moment more vivid and memorable than ever before.

Dual cameras, five focal lengths

More creative freedom

Covering focal lengths from 15mm to 48mm for effortless landscape and portrait photography.

Ultra-clear portrait

Highlight the subject and bring out details in facial features.

UltraSnap

Full speed captures, anywhere and anytime

Powered by POCO AISP, snapshooting capability has been significantly enhanced. Even when capturing up to 150 continuous shots, the complete algorithms are still applied, ensuring consistently clear image quality.

Dynamic shots

Images with vitality

Unleash your creativity with Dynamic shots. Never miss a perfect shot by choosing your favorite frame later. Transform your memories into stunning photos, engaging videos, or shareable GIFs, preserving every special moment in the format that speaks to you.

Embracing the Multimodal AI Ecosystem

Unleash your creativity with the AI assistant powered and customised by Google. It integrates Xiaomi's cutting-edge multimodal processing technology capable of handling text, voice and images.

*Availability of AI features may vary based on region. Please check your local website for more information.

*Internet connection required. Check responses for accuracy.

*AI features available via OTA starting from 27 March 2025.

The power of AI

Boost efficiency in tasks

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- AI Writing
- AI Speech Recognition
- AI Interpreter
- AI Search

AI Creativity Assistant

Create masterpieces with ease

With the powerful support of Xiaomi HyperAI, AI Creativity Assistant is introduced on POCO F7 Pro

Ultrapower flagship experience

Ultra communication

Strengthened signals inside out

Surge T1S Tuner

Proactive signal detection and antenna tuning for enhanced cellular, Wi-Fi, and bluetooth network performance, enhancing signal experience in weak network environments for improved gaming performance.

Up to 37%

Mid-high frequency cellular performance improvement

Up to 16%

Wi-Fi and BT performance improvement

Super Antenna Array

Super Antenna Array adopts tri-segmented antenna design, ensuring full-band signal coverage, significantly enhancing network signal performance during horizontal gaming.

Up to 20%

Improved antenna area

Up to 100%

4/5G signal reception performance improvement

Up to 25%

Wi-Fi signal reception performance improvement

IP68

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Dust and water resistance

Withstands submersion in static water up to 2.5m deep for 30 minutes without impact.

Summary: POCO F7 Pro. Display diagonal: 16.9 cm (6.67"), Display resolution: 3200 x 1440 pixels.

Processor family: Snapdragon, Processor model: 8 Gen 3. RAM capacity: 12 GB, RAM type: LPDDR5X,

Internal storage capacity: 512 GB. Rear camera resolution (numeric): 50 MP, Rear camera type: Dual

camera. SIM card capability: Dual SIM. Battery capacity: 6000 mAh. Product colour: Silver. Weight:

206 g | Vendor Homepage: <https://www.mi.com/global/product/poco-f7-pro/> | Form factor: Bar |

Product colour: Silver | Protection features: Dust resistant/Water resistant | Internal storage capacity:

512 | RAM capacity: 12 | RAM type: LPDDR5X | Brand specific technologies: Wide color (P3) | Colour

depth: 12 | Contrast ratio (typical): 5000000:1 | Display diagonal: 6.67 | Display glass type: Gorilla

Glass | Display number of colours: 68 billion colours | Display resolution: 3200 x 1440 | Gorilla Glass

version: Gorilla Glass 7i | High Dynamic Range (HDR) supported: Yes | High Dynamic Range (HDR)

technology: Dolby Vision/High Dynamic Range 10 (HDR10)/High Dynamic Range 10+ (HDR10 Plus) |

Huawei Acoustic Display Technology: No | Maximum display brightness (HDR): 3200 | Maximum

refresh rate: 120 | Panel type: AMOLED | Pixel density: 526 | Screen shape: Flat | Touch response

rate: 480 | AI processor family: Qualcomm | Processor architecture: ARM Cortex-X4+Cortex-

A720+Cortex-A520 | Processor boost frequency: 3.3 | Processor cores: 8 | Processor family:

Snapdragon | Processor model: 8 Gen 3 | Camera High Dynamic Range (HDR) mode: Yes | Front

camera resolution (numeric): 20 | Front camera type: Single camera | Image stabilizer: Yes | Image

stabilizer type: Optical Image Stabilization (OIS) | Maximum frame rate: 1920 | Night mode: Yes |

Panorama: Yes | Portrait mode: Yes | Rear camera aperture number: 1.6 | Rear camera flash: Yes |

Rear camera lens elements: 6-element lens | Rear camera pixel size (Quad Pixel technology): 2 |

Rear camera resolution (numeric): 50 | Rear camera sensor size: 1/1.55 | Rear camera type: Dual

camera | Resolution at capture speed:

1280x720@30fps/1920x1080@30fps/1920x1080@60fps/3840x2160@24fps/3840x2160@30fps/3840x2160

| Second rear camera aperture number: 2.2 | Second rear camera resolution (numeric): 8 | Self-

timer: Yes | Slow motion mode: Yes | Slow motion rate: 120fps, 240fps, 480fps, 960fps, 1920fps |

Time lapse mode: Yes | Video capture resolution (max): 7680 x 4320 | Video recording modes:

1080p/2160p/4320p/720p | 3G standards: WCDMA | 4G standard: LTE-TDD & LTE-FDD | 5G standard:

Sub6 SA/NSA | aptX technology: Yes | Bluetooth: Yes | Bluetooth profiles: AAC/APTX/APTX-

HD/LC3/LDAC/LHDC/SBC | Bluetooth version: 5.4 | Frequency band: Dual-band | MIMO: Yes | Miracast:

Yes | Mobile network generation: 5G | Near Field Communication (NFC): Yes | SIM card capability:

Dual SIM | SIM card type: NanoSIM | Top Wi-Fi standard: Wi-Fi 7 (802.11be) | Wi-Fi Direct: Yes | Wi-Fi

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standards: 802.11a/802.11b/802.11g/Wi-Fi 4 (802.11n)/Wi-Fi 5 (802.11ac)/Wi-Fi 6 (802.11ax)/Wi-Fi 6E (802.11ax)/Wi-Fi 7 (802.11be) | Headphone connectivity: USB Type-C | USB connector type: USB Type-C | E-mail: Yes | Short Message Service (SMS): Yes | BeiDou: Yes | Electronic compass: Yes | Galileo: Yes | GLONASS: Yes | GPS (satellite): Yes | NavIC: Yes | Position location: Yes | Quasi-Zenith Satellite System (QZSS): Yes | Wi-Fi positioning: Yes | Face recognition: Yes | Fast charging: Yes | Fast charging technology: Hypercharge/Power Delivery | Fingerprint reader: Yes | Vibrating alert: Yes | Audio formats supported: AAC/AMR/AWB/FLAC/MP3/OGG/WAV | Audio system: Dolby Atmos | Number of microphones: 3 | Speakers: stereo | Video formats supported: 3GP/ASF/AVI/MKV/MP4/WEBM/WMV | Platform: Android | User interface (UI): HyperOS 2 | Battery capacity: 6000 | Battery endurance in cycles: 1000 | Accelerometer: Yes | Ambient light sensor: Yes | Battery endurance per cycle: 4208 | Energy efficiency class: A | Energy efficiency scale: A to G | Flicker sensor: Yes | Gyroscope: Yes | Infrared sensor: Yes | International Protection (IP) code: IP68 | Proximity sensor: Yes | Repairability class: C | Repeated free fall reliability class: C | USB Power Delivery (USB PD): Yes | USB Type-C charging port: Yes | USB Type-C required charging power (max): 90 | USB Type-C required charging power (min): 10 | Depth: 8.12 | Height: 160.26 | Weight: 206 | Width: 74.95 | AC adapter included: No | Cables included: USB Type-C | Protective case: Yes | Quick start guide: Yes | SIM card ejector pin: Yes | Warranty card: Yes | Data Sheet (Link): <https://eprel.ec.europa.eu/api/product/2302998/fiches?language=EN> | Energy efficiency class: A | EPREL Registration Number: 2302998 | EPREL Version Number: 1 | Model name: F7 Pro | Unit Calculated Volume: 0.001323 | Product Net Weight: 0.206 | Unit Calculated Weight: 0.485