



MOBILE PHONE

POCO X8

PRO/12/512GB

WHITE

MZB0N2SEU

POCO



Model: MZB0N2SEU

Manufacturer: POCO

EAN: 6932554492533

Product Code: 406071

R11,382

POCO X8 Pro

Speed to the max

- Flagship Dimensity 8500-Ultra
- 6500mAh (typ) battery with 100W HyperCharge
- 1.5K 120Hz ultra-bright AMOLED display
- 50MP Sony IMX882 with OIS
- Flagship quality with premium feel
- IP68 dust and water resistance

Next-generation performance

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Flagship Dimensity 8500-Ultra

Advanced TSMC 4nm process

The TSMC 4nm manufacturing process, All-Big-Core design, with a max clock speed of up to 3.4GHz, AnTuTu V11 score achieves at 2,283,558, delivers both enhanced performance and user experience while further optimizing power consumption.

POCO 3D dual-layer IceLoop cooling system

5300mm² extra-large area

Experience exceptional thermal efficiency even under heavy loads with POCO 3D dual-layer IceLoop cooling system with an ultra-large area of 5300mm², which effectively targets key heat sources enabling highly efficient heat dissipation drastically reduces the SoC temperature up to 3°C. You can enjoy peak performance during intense gaming or heavy multitasking.

WildBoost Optimization

Revolutionary performance

Integrated dynamic frequency scaling across CPU, GPU, and DDR. This ensures higher, more stable frame rates and lower power consumption even under heavy-load gaming.

Predicts per-frame computing demand within each frame generation cycle, enabling proactive intervention to prevent frame drops.

Ultra-Long Battery Life

6500mAh Silicon-Carbon Battery¹⁴

Beyond all-day battery life

With a 10% ultra-high silicon-carbon content, POCO X8 Pro's battery capacity is significantly boosted, delivering a long battery life experience.

Long-lasting battery

Powered by a P3 charging chip and G1 battery management chip, with multiple protections, POCO X8 Pro retains ≥80% battery capacity after 1,600 charging cycles.

100W HyperCharge

Wider charger compatibility

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POCO X8 Pro supports 100W PPS universal charging protocol, bringing broad compatibility with various fast chargers for quick power top-ups anytime.

27W reverse charging

Pocket power bank

With 27W reverse charging support, your phone becomes a portable power bank, ready to power up your devices anytime, anywhere.

Smart charging

Enjoy a smooth and stable experience

Smart charging is designed to control phone temperature in charging status, ensuring a smooth and stable experience, by intelligently adjusting charging speed (considering battery level, temperature, and app usage) and power distribution between the system and the battery.

Professional display

Ultra-slim bezels

6.59" immersive view

POCO X8 Pro features a large, vibrant display with ultra-slim bezels — 1.7mm at the bottom and 1.5mm on the other sides — for an immersive viewing experience.

Next-gen M10 display panel

Stunning light

POCO X8 Pro's display uses the next-gen M10 display panel, which consists of brand-new red luminous material with 20% improved luminous efficiency to further reducing power consumption.

3500 nits peak brightness

Ultra-bright display

Thanks to the next-gen M10 display panel, POCO X8 Pro can achieve 3500 nits peak brightness covering 25% of the screen area, ensuring clear visibility even under direct sunlight.

3840Hz PWM dimming

All-around Eye-Protection Screen

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Flicker-free with more natural screen dimming. With 3840Hz high-frequency PWM dimming and a circadian eye-comfort mode, the display is smarter, gentler on the eyes, and helps reduce eye strain during prolonged use.

50MP high resolution

Large-aperture ultra-sensitive camera

UltraSnap

Ultra-clear image quality, freezing every vivid moment.

UltraSnap now supports portrait mode, letting you continuously capture up to 120 photos of kids, pets, or friends in motion—even in high dynamic range scenes.

Ultra-wide camera

Let the image release tension

The Ultra-angle camera can offer you a broader perspective, making the image more dramatic and uniquely tensioned.

20MP front camera

Group selfies made easy

When taking group selfies, the POCO X8 Pro intelligently switches to a 0.8× wide-angle to capture more smiles.

AI Creativity Assistant

Xiaomi HyperAI is always ready to provide you with creative possibilities that fuel your inspiration.

Next-level experience

Xiaomi Offline Communication

Stay connected, even without signal

In areas with weak or no signal, such as the countryside, parking garages, or crowded venues, Xiaomi Offline Communication lets you make calls even without network connectivity. It's built for those moments when staying connected still matters.

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Refreshed design

Refined minimalism

Premium feel

Crafted to flagship standards, POCO X8 Pro features a metal middle frame for enhanced quality, paired with a glass back that elevates its premium feel. Every detail balances sophistication and resilience.

Stunning look

Racing aesthetics

Dynamic RGB light offers personalized visual effects to match every mood. The backlight effect is available in 8 colors for incoming calls and app notifications, while the pulsing light effect syncs with a wide range of scenarios, including games, music, and more. With vivid color options and adjustable brightness, the lighting effect gives you the immersive and intuitive experience for max utility and max vibe.

Flagship quality

- Attention to detail
- Flagship metal frame
- Sleek large rounded corner
- Racing stripe design
- Glass back cover

IP68 rating

Dust and water resistance

1.5m

Water resistance depth

30 minutes

Water resistance duration

Summary: POCO X8 Pro. Display diagonal: 16.7 cm (6.59"), Display resolution: 2756 x 1268 pixels.

Processor family: MediaTek, Processor model: Dimensity 8500 Ultra. RAM capacity: 12 GB, RAM type:

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LPDDR5X, Internal storage capacity: 512 GB. Rear camera resolution (numeric): 50 MP, Rear camera type: Dual camera. SIM card capability: Dual SIM. Battery capacity: 6500 mAh. Product colour: White. Weight: 201.47 g | Vendor Homepage: <https://www.mi.com/global/product/poco-x8-pro/> | Form factor: Bar | Product colour: White | Internal storage capacity: 512 | RAM capacity: 12 | RAM type: LPDDR5X | Colour depth: 12 | Contrast ratio (typical): 8000000:1 | Display brightness: 800 | Display diagonal: 6.59 | Display glass type: Gorilla Glass | Display number of colours: 68 billion colours | Display resolution: 2756 x 1268 | Gorilla Glass version: Gorilla Glass 7i | High Dynamic Range (HDR) supported: Yes | High Dynamic Range (HDR) technology: Dolby Vision/High Dynamic Range 10+ (HDR10 Plus) | Maximum display brightness (HDR): 3500 | Maximum refresh rate: 120 | Panel type: AMOLED | Pixel density: 460 | Touchscreen type: Capacitive | Processor boost frequency: 3.4 | Processor cores: 8 | Processor family: MediaTek | Processor model: Dimensity 8500 Ultra | Dual video recording: Yes | Front camera aperture number: 2.2 | Front camera resolution (numeric): 20 | Front camera sensor size: 1/4 | Front camera type: Single camera | Image stabilizer: Yes | Image stabilizer type: Optical Image Stabilization (OIS) | Maximum frame rate: 60 | Night mode: Yes | Panorama: Yes | Portrait mode: Yes | Rear camera aperture number: 1.5 | Rear camera flash: Yes | Rear camera lens elements: 6-element lens | Rear camera pixel size (Quad Pixel technology): 1.6 | Rear camera resolution (numeric): 50 | Rear camera sensor size: 1/1.95 | Rear camera type: Dual camera | Resolution at capture speed: 1280x720@30fps/1920x1080@30fps/1920x1080@60fps/3840x2160@24fps/3840x2160@30fps/3840x2160@60fps | Second rear camera aperture number: 2.2 | Second rear camera resolution (numeric): 8 | Slow motion mode: Yes | Slow motion rate: 720p (1280x720) at 120fps / 240fps / 960fps1080p (1920x1080) at 120fps / 240fps / 960fps | Time lapse mode: Yes | Video capture resolution (max): 3840 x 2160 | Video recording modes: 1080p/2160p/720p | 3G standards: WCDMA | 4G standard: LTE-TDD & LTE-FDD | 5G standard: Sub6 SA/NSA | Bluetooth: Yes | Bluetooth version: 6.0 | Mobile network generation: 5G | Near Field Communication (NFC): Yes | SIM card capability: Dual SIM | SIM card type: NanoSIM | Top Wi-Fi standard: Wi-Fi 6 (802.11ax) | Wi-Fi Direct: Yes | Wi-Fi standards: 802.11a/802.11b/802.11g/Wi-Fi 4 (802.11n)/Wi-Fi 5 (802.11ac)/Wi-Fi 6 (802.11ax) | Subscription type: No subscription | USB connector type: USB Type-C | E-mail: Yes | Short Message Service (SMS): Yes | Assisted GPS (A-GPS): Yes | BeiDou: Yes | Electronic compass: Yes | Galileo: Yes | GLONASS: Yes | GPS (satellite): Yes | NavIC: Yes | Position location: Yes | Face recognition: Yes | Fast charging: Yes | Fingerprint reader: Yes | Graphics card: Mali-G720 | Speakerphone: Yes | Vibrating alert: Yes | Video call: Yes | Audio formats supported: AAC/AMR/AWB/FLAC/MP3/OGG/WAV | Audio system: Dolby Atmos | Speakers: stereo | Video formats supported: 3GP/ASF/AVI/MKV/MP4/WEBM/WMV | Platform:

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Android | User interface (UI): HyperOS 3 | Battery capacity: 6500 | Battery endurance in cycles: 1000 | Accelerometer: Yes | Ambient light sensor: Yes | Battery endurance per cycle: 3985 | Energy efficiency class: A | Energy efficiency scale: A to G | Flicker sensor: Yes | Gyroscope: Yes | International Protection (IP) code: IP68 | Proximity sensor: Yes | Repairability class: C | Repeated free fall reliability class: A | USB Power Delivery (USB PD): Yes | USB Type-C charging port: Yes | USB Type-C required charging power (max): 100 | USB Type-C required charging power (min): 10 | Depth: 8.38 | Height: 157.53 | Weight: 201.47 | Width: 75.19 | Compliance certificates: TÜV mark | 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/2542846/fiches?language=EN> | Energy efficiency class: A | EPREL Registration Number: 2542846 | EPREL Version Number: 1 | Product Net Weight: 0.20147 | Shipping Box Height: 23 | Unit Calculated Volume: 0.001232 | Unit Calculated Weight: 0.472 | Units per Pallet: 0 | Units per Shipping Box: 20 | Model name: POCO X8 Pro

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