POCO F6
Shaped by Speed

Flagship Snapdragon® 8s Gen 3
WildBoost Optimization 3.0, LiquidCool Technology 4.0 with IceLoop

90W turbo charging[1]
5000mAh (typ) battery

CrystalRes 120Hz Flow AMOLED display
Corning® Gorilla® Glass Victus®

50MP camera system with OIS
20MP front with AON

Flagship performance beyond expectations

POCO F6 offers a truly flagship gaming performance, with numerous hardware and software upgrades since the previous F series generation. Featuring the new Snapdragon® 8s Gen 3 engineered with the flagship TSMC 4nm manufacturing process and WildBoost Optimization 3.0, POCO F6 elevates the gaming experience to new heights. Get set for smoother gameplay and instant touch accuracy with higher control accuracy and faster screen response speeds, with AI capabilities for more detailed and realistic game visual effects that support popular action role-playing games. Keeping things cool when the gaming gets intense, LiquidCool Technology 4.0 lets users sustain top performance even during long gaming sessions. Further upgrades include increased memory and storage capacity to 12GB and 512GB, respectively, ensuring faster app launching time and smoother performance. Powered for high-performance scenarios, the POCO F6 includes a massive 5000mAh (typ) battery and a 90W turbo charging system for longer battery life and faster charging.

Experience new levels of immersive viewing

Introducing the first CrystalRes display in a POCO device, the super-clear flagship quality 6.67-inch Flow AMOLED DotDisplay offers a 120Hz refresh rate and peak brightness of up to 2400nits. Its slim bezel design and 94.27% screen-to-body ratio create a clear, immersive premium viewing experience whether gaming, watching videos, or reading online. POCO F6 also utilizes optimized heat dissipation, adding to the upgraded user experience. A host of industry-leading technology delivers vibrant viewing, even outdoors, with improved resolution and sharper text and images. Meanwhile, TÜV Rheinland's low blue light, circadian-friendly, and flicker-free certifications ensure comfortable viewing experiences. POCO F6 supports Dolby Vision. The smartphone also has a Corning® Gorilla® Glass Victus display with IP64 dust and water certification. In another first for POCO, users can control their device with air gestures, a feature that will appeal to tech lovers. There is also an in-screen fingerprint sensor for fast and secure unlocking.

New camera setup and minimalist design

Boasting a 50MP triple camera setup, OIS, and the new Sony IMX882 sensor, POCO F6 lets in more light, improving indoor and outdoor photo quality. The camera supports OIS and EIS dual stabilization for better photos and smoother videos. POCO F6 also includes a new portrait feature with a blurred background, and the 20MP front camera helps users create their best selfie shots ever. The P3 color gamut means images are more vivid and true-to-life, and upgraded motion tracking will automatically focus on fast-moving subjects like people, pets, birds, and even insects. POCO's new AI functionality lets users edit in Album mode. Light and thin, POCO F6 is available in three colors: Black, Green, or Titanium color. Its design aesthetic is refined, modern, and professional, with smooth edges for a comfortable look and feel, and the camera has a vibrant and impactful triangular arrangement. With so many flagship-level upgrades, POCO F6 has widened the gap between competitors in its category.

1. 90W wired charging means the adapter output power is 90W. Actual power output may very depending on the environment.
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4. Data regarding dimension tested in POCO Internal Labs, actual results may vary.
5. Data regarding weight tested in POCO Internal Labs, actual results may vary.
6. 5G connectivity may vary based on region availability and local operator support.
7. The device has been tested in a controlled environment and certified to be resistant to splash and dust in specific laboratory conditions with the classification IP64 under IEC 60529: 1989+A1:1999+A2:2013. Resistance is not permanent and may deteriorate naturally over time. If your device is wet, do not attempt to charge it. The life scene is different from the experimental environment. Do not immerse your smartphone in water completely or expose it to solutions such as seawater and chlorinated water or liquids such as drinks during daily use. Your warranty does not cover the damage caused by man-made immersion of your device in liquid.
8. Functions may vary in some markets.

Performance

- Flagship Snapdragon® 8s Gen 3 Mobile Platform
  - Flagship TSMC 4nm process
  - CPU: Octa-core processor, up to 3.0GHz
  - GPU: Adreno GPU
- LPDDR5X + UFS 4.0
  - 8GB + 256GB / 12GB + 512GB
- LiquidCool Technology 4.0 with IceLoop

Display

- 6.67" CrystalRes 1.5K Flow AMOLED DotDisplay
- Refresh rate: up to 120Hz
- Instant touch sampling rate: 2160Hz[2]
- Brightness: 500 nits (typ), 1000-1200 nits (HBM brightness), 2400 nits (peak brightness)
- Contrast ratio: 5,000,000:1
- 100% DCI-P3 wide color gamut
- 1920Hz PWM dimming
- Corning® Gorilla® Glass Victus®

Camera

Rear camera
- 50MP main camera with OIS
  - Aperture: f/1.59
  - 1.6µm large pixel (4-in-1)
- 8MP ultra-wide camera

Front Camera
- 20MP front camera
  - Aperture: f/2.2

Battery & Charging

- 5000mAh (typ) battery
- 90W turbo charging & 90W in-box charger[3]

Design

- Dimension: 160.5mm x 74.5mm x 8mm[4]
- Weight: 179g[5]
- Colors available: Black, Green, Titanium color

Connectivity

- Dual SIM, dual standby (5G+5G, 5G+4G) Network band:
  - Supports 5G[6]/ 4G / 3G/ 2G
  - 2G GSM: 850/900/1800/1900MHz
  - 3G WCDMA: B1/2/4/5/6/8/19
  - 4G LTE FDD: B1/2/3/4/5/7/8/18/19/ 20/26/28/66
  - 4G LTE TDD: B38/40/41/42/48
  - 5G Sub6G: n1/2/3/5/7/8/20/ 28/38/40/41/48/66/77/78
  - 5G NSA: n1/3/5/7/8/20/28/38/40/41/66/77/78
- Wireless connectivity
  - Bluetooth 5.4
  - Wi-Fi Protocol: 802.11a/b/g/n/ac/ax

Others

- Powered by Xiaomi HyperOS
- IP64 splash-proof protection[7]
- X-axis linear vibration motor
- In-screen fingerprint sensor
- AI Face Unlock
- Dual speakers
- IR blaster
- Supports NFC[8]