POCO

POCO F6 Pro
HyperPower Evolved

Flagship Snapdragon® 8 Gen 2 chipset
LiquidCool Technology 4.0 with IceLoop

WQHD+ 120Hz Flow AMOLED display
View brightly with 4000 nits peak brightness

Premium design with metal frame
Smooth quad-curved glass back

Smart 120W HyperCharge
Massive 5000mAh (typ) battery

50MP triple camera with OIS
Capture clearer with Light Fusion 800 image sensor

All-round flagship by design

The new POCO F6 Pro is an all-around flagship that closes the gap on high-end performance phones. Crafted from high-strength aluminum, a robust middle frame in a matte finish offers new levels of both texture and durability. Rounded frame corners create a smooth and pleasing grip, completed with a velvety-textured equal-depth quad-curved surface glass back that is silky and delicately sensual to the touch, ensuring a truly high-performance device's overall look and feel.

With an innovative industry-leading borderless glass deco design, the POCO F6 Pro features a flagship 6.67-inch ultra-clear WQHD+ 120Hz Flow AMOLED DotDisplay, delivering higher light efficiency and lower power consumption. Complete with 4000 nits peak brightness, 3840Hz PWM dimming, and TÜV Rheinland eye-care certification, stunning display clarity in combination with ultra-thin bezels offers the user a fully immersive visual experience, ensuring eye comfort for lengthy periods of gaming and leisure reading or video watching.

Professional-level photography experience

POCO F6 Pro features a 50MP triple camera setup with flagship OIS and a high dynamic range Light Fusion 800 image sensor, reducing camera shake and delivering greatly enhanced image quality and detail, perfect for professional-level photography. Capture unmissable lightning-fast action shots with a Burst shot capable of delivering 50 shots in a single burst at 30 frames per second. Low light? No problem! The Ultra Night Algorithm enables shooting in even the most extreme low-light situations, capturing clear, bright images with more accurate colors thanks to innovative deep learning AI algorithms.

Powerful flagship performance

POCO F6 Pro is equipped with the new Snapdragon® 8 Gen 2 chipset, engineered with groundbreaking AI capabilities. Experience new accelerated flagship performance and connectivity levels, ideal for even the most hardcore gamers. The device features Xiaomi HyperOS, massive memory and storage, and improved power efficiency. An upgraded WildBoost Optimisation 3.0[1] offers speedy loading, for the smoothest gameplay, and instant touch accuracy for users. The all-new LiquidCool Technology 4.0 keeps things cool even for extended periods of use, while the powerful 5000mAh (typ) battery always keeps you on the go with smart 120W HyperCharge recharging power to 100% in just 19 minutes[2]. POCO F6 Pro delivers an all-rounded flagship experience, meeting the needs of every gamer and tech guru with the highest performance levels while delighting at a high-performance price.

1. WildBoost Optimization 3.0 for POCO F6 Pro does not support Super resolution rendering function.
2. 19 minutes to 100% is the charging data by using the 120W in-box charger, manually enable "Boost charging speed" feature while keeping the display off. Data is obtained from POCO Internal Labs with a test room temperature of approximately 25 . Actual results may vary due to different test environments. Please refer to actual experience.
3. 16GB + 1TB configuration is only available in select countries.
4. 2160Hz instant touch sampling rate supports only with Game Turbo mode on.
5. DC dimming for high brightness and PWM dimming for low brightness. The screen supports a maximum high-frequency PWM dimming of 3840Hz, which takes effect when screen brightness is below 24 nits. Please refer to the actual experience.
6. 120W wired charging means the adapter output power is 120W. Actual power output may vary depending on the environment.
7. Data regarding dimensions tested in POCO Internal Labs; actual results may vary.
8. Data regarding weight tested in POCO Internal Labs, actual results may vary.
9. 5G connectivity may vary based on region availability and local operator support.
10. Wi-Fi 7/Wi-Fi 6 capability may vary based on regional availability and local network support.
11. Functions may vary in some markets.

Performance
- Snapdragon® 8 Gen 2 Mobile Platform
  - TSMC 4nm manufacturing process
  - CPU: Cortex CPU, up to 3.19 GHz
  - GPU: Adreno GPU
  - AI: Qualcomm AI Engine
- LPDDR5X + USF 4.0
  - 12GB + 256GB / 12GB + 512GB / 16G + 1TB[3]
- LiquidCool Technology 4.0 with IceLoop

Display
- 6.67" WQHD+ 120Hz Flow AMOLED
- Resolution: 3200*1440
- Refresh rate: Up to 120Hz
- Instant touch sampling rate: 2160Hz[4]
- Brightness: 700 nits (typ), 1200 nits(HBM brightness), 4000 nits (peak brightness)
- Contrast ratio: 5,000,000:1
- DCI-P3 wide color gamut
- 3840Hz PWM dimming[5]
- 12 bit color depth, 68 billion colors

Camera
Rear camera
- 50MP main camera with OIS
  - Aperture: f/1.6
  - 2.0µm 4-in-1 Super Pixel
- 8MP ultra-wide camera
  - Aperture: f/2.2
- 2MP macro camera
  - Aperture: f/2.4

Front Camera
- 16MP front camera

Battery & Charging
- 5000mAh (typ) battery
- 120W HyperCharge[6] & 120W in-box charger
- USB Type-C

Design
- Dimension: 160.86mm x 74.95mm x 8.21mm[7]
- Weight: 209g[8]
- Colors: Black, White

Connectivity
- Dual SIM, dual standby Network band:
  - Supports 5G[9]/ 4G / 3G/ 2G
  - 5G Sub6G: Band n1/3/5/7/8/20/28/ 38/40/41/77/78
  - 4G LTE TDD: Band 38/40/41
  - 4G LTE FDD: Band 1/2/3/4/5/7/8/18/ 19/20/28/66
  - 3G WCDMA: Band 1/2/4/5/6/8/19
  - 2G GSM: Band 2/3/5/8
- Wireless connectivity
  - Bluetooth 5.3, Dual-Bluetooth
  - Wi-Fi Protocol: Wi-Fi 7/ Wi-Fi 6[10]/ Wi-Fi 5/ Wi-Fi 4 and 802.11a/b/g

Others
- Powered by Xiaomi HyperOS
- X-axis linear vibration motor
- In-screen fingerprint sensor(FOD)
- AI Face Unlock
- Stereo Dual speakers
- IR blaster
- Supports NFC[11]