xiaomi 12 Pro
Master every scene

Performance
- Snapdragon® 8 Gen 1
  - 4nm power-efficient manufacturing process
- ARM-V9
  - 1x ARM Cortex-X2 @ 3.0GHz
  - 3x ARM Cortex-A710 @ 2.5GHz
  - 4x ARM Cortex-A510 @ 1.8GHz
- Qualcomm® Adreno™
- LPDDR5 RAM + UFS 3.1 storage
- LiquidCool Technology
- MIUI 13 with Android 12

Camera
- 50MP wide angle camera
  - IMX707, f/1.9
  - 1/1.28" 7P lens
  - 2.44 μm 4-in-1 Super Pixel
  - 8K recording
  - 4K HDR 10+ recording
  - Ultra Night Video, One-click AI cinema
  - Xiaomi ProFocus (Motion tracking focus/ Motion Capture/Eye tracking focus)
  - Ultra Night Photo, Portrait Night mode
- 50MP ultra-wide angle camera
  - 115° FOV, f/2.2
- 50MP telephoto camera
  - 48mm equivalent focal length, f/1.9
- Night mode (wide/ultra-wide/telephoto)
- 50MP mode (wide/ultra-wide/telephoto)
- 32MP in-display selfie camera
  - 1.4 μm 4-in-1 Super Pixel, f/2.45
  - HDR 10+ recording, AI portrait video, Selfie Night mode

Battery & Charging
- 4,600mAh battery (typ)
- 120W Xiaomi HyperCharge
- 50W wireless turbo charging
- 10W reverse wireless charging
- Xiaomi AdaptiveCharge

Display & Design
- 120Hz 6.73" AMOLED DotDisplay
  - DisplayMate A+
  - Samsung E5 material
  - Aspect ratio: 20:9
  - WQHD+, 3200 x 1440
  - TrueColor
  - Brightness: HBM 1,000 nits (typ), 1,500 nits peak brightness(typ)
  - Contrast ratio: 8,000,000:1(typ)
  - 16,000 level brightness adjustment
  - Dynamic 120Hz LTPO
  - Micro Lens
  - AdaptiveSync Pro
  - Up to 480Hz touch sampling rate
  - Dolby Vision®, HDR 10+ support
  - 360° ambient light sensor
  - SGS Eye Care Display Certification
  - X-axis linear vibration motor
- Dimensions: 163.60mm x 74.60mm x 8.16mm
- Weight: 205g[3]
- Corning® Gorilla® Glass Victus®
- Colors: Gray, Purple, and Blue

Audio
- Quad speakers
- SOUND BY Harman Kardon
- Dolby Atmos®

Connectivity
- Type-C
- Dual SIM, dual 5G[4] standby
- Supports NFC[5]
- Bluetooth 5.2
- Bands
  - 5G: n1/n3/n5/n7/n8/n20/n28/n38/ n40/n41/n66/ n77/n78/n79
  - 4G: LTE FDD: B1/2/3/4/5/7/8/12/13/17/18/19/ 20/25/26/28/32/66
  - 4G: LTE TDD: B38/39/40/41/42/48
  - 3G: WCDMA: B1/2/4/5/6/8/19
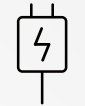 - 2G: GSM: 850 900 1800 1900 MHz
- Wi-Fi 6/ Wi-Fi 6E[6]

Pro-grade triple 50MP camera array
50MP telephoto and 50MP ultra-wide lenses

Leading Snapdragon® 8 Gen 1
Advanced 4nm processor with 5G

All-Around Elevated Sensory Experience
WQHD+ dynamic 120HZ AMOLED display
Quad speakers, SOUND BY Harman Kardon

Smart 120W Xiaomi HyperCharge
50W wireless turbo charging

Capture truly cinematic shots with a pro-grade triple 50MP camera array

Xiaomi 12 Pro is equipped with a state-of-the-art triple camera array, including a 50MP main camera with Sony IMX707 ultra-large sensor, a 50MP ultra-wide angle camera, and a 50MP telephoto camera. Utilizing 2.44μm 4-in-1 pixel-combining technology, the main camera system improves light-capturing capabilities by 120% compared with the previous Xiaomi 11 generation[1]. To complement the impressive hardware, the device is also equipped with Xiaomi's advanced AI algorithm across a wide range of scenarios to enable professional special effects and creative options including Xiaomi ProFocus, One-click AI cinema, etc. Meanwhile, Ultra Night Video excels at videography in low-light conditions, with various portrait modes, enabling users to capture studio-quality shots.

Next-gen high-end performance with Snapdragon® 8 Gen 1

Featuring Qualcomm's most advanced mobile platform, Snapdragon® 8 Gen 1, the device sets the bar for next-generation computing with a cutting-edge 4nm technology process. While the GPU capabilities have been increased by 30% in terms of graphics rendering, and energy efficiency increased by 25%, Xiaomi 12 Pro is capable of delivering unprecedented levels of performance and power efficiency over its predecessor[2]. In addition, Xiaomi 12 Pro features UFS 3.1 for next-level loading speeds and data transfers, as well as LPDDR5 RAM, with memory speeds reaching up to 6,400Mbps. To ensure a smooth and stable performance, Xiaomi 12 Pro packs a cooling system that features an extra-large 2,900mm^2 VC and three large heat dissipation graphite sheets, which further enhance its cooling performance for improved stability.

Iconic aesthetics with a grip designed for supreme comfort

Embodied in an all-new iconic design, Xiaomi 12 Pro adopts a sleek middle frame with sophisticated 3D curves wrapping around the device front-to-back and corner-to-corner, creating a notable elegance while also more practically ensuring a snug and comfortable fit in the palm of one's hands. In addition, Xiaomi 12 Pro arrives in three color variants including Gray, Purple, and Blue.

All-around exhilarating sensory experience

Xiaomi 12 Pro breaks ground with arguably a leading contender for a flagship display to-date, earning an outstanding A+ rating from DisplayMate. Featuring 6.73-inch WQHD+ AMOLED display with 3200 x 1440 resolution, 10-bit color, and with the support of Dynamic 120Hz LTPO and Micro Lens technology, Xiaomi 12 Pro strikes a delicate balance as a brilliantly colorful display that's also being among the most power-efficient in its category. AdaptiveSync Pro allows Xiaomi 12 Pro to auto adjust the LTPO display from 1Hz to 120Hz depending on the content for silky smooth scrolling, swiping, and sliding. All the while, accredited with an SGS Eye Care Display Certification, Xiaomi 12 Pro also cares for users' eyes.

This immersive visual experience is also complemented by an outstanding audio experience, covering an astounding range of sounds and enhanced clarity. Xiaomi 12 Pro boasts quad speakers with SOUND BY Harman Kardon, and supports Dolby Atmos®.

Blazingly fast and smart 120W Xiaomi HyperCharge technology

Xiaomi 12 Pro is equipped with 120W Xiaomi HyperCharge technology. With smart charging at night, it learns users' day-to-day charging routine to optimize the phone's long-term battery health. Xiaomi 12 Pro also boasts the industry's first 120W single-cell battery. When compared with a dual-cell battery of the same high 4,600mAh capacity, Xiaomi 12 Pro astonishingly manages to achieve a reduction in battery thickness and density. In addition, Xiaomi's signature Surge P1 charging IC enhances the battery's capacity and output, thereby increasing its overall charging efficiency.

1 Data sourced from Xiaomi labs.
2 Data from ©2022 Qualcomm Technologies, Inc.
3 Product weight and related specifications are theoretical values only. Actual measurements between individual products may vary. All specifications are subject to the actual product.
4 5G connectivity may vary based on region availability and local operator support.
5 NFC availability may vary between markets.
6 Wi-Fi 6/Wi-Fi 6E connectivity may vary based on region availability and local network. For most countries and areas, Wi-Fi 6 is not supported by the devices and needs to be added via OTA where applicable.