xiaomi MIX Fold 3

CO-ENGINEERED WITH *Leica*

Vision expanded

Xiaomi proprietary hinge technology
Innovative multi-level hinge design
TÜV Rheinland Extreme Folding up to 500,000 folds[1]

Powerful flagship experience
Snapdragon® 8 Gen 2 Leading Version
Xiaomi Surge battery management system

Quad camera system with Leica optical lens
Two Leica photographic styles
Hover photography

Dual E6 OLED displays
Ultra-low power consumption
Multi-device color synchronization

Design

- Xiaomi composite fiber variant
  - Thickness: 10.86mm folded and 5.26mm unfolded[2]
  - Weight: 255g[2]
  - Color: Black
  - 5-layer composite fiber back cover
- Glass variant
  - Thickness: 10.96mm folded and 5.26mm unfolded[2]
  - Weight: 259g[2]
  - Colors: Black, Gold
- Xiaomi proprietary hinge
  - Multi-level hinge design
  - TÜV Rheinland Extreme Folding up to 500,000 folds[1]

Display

Outer display
- 6.56" AMOLED display
  - Samsung E6 material
  - 2,520x1,080
  - 2600 nits peak brightness
  - DCI-P3 Color gamut
  - Dolby Vision®, HDR10+ support
  - 120Hz refresh rate, 240Hz touch sampling rate
- Corning® Gorilla® Glass Victus® 2

Inner display
- 8.025" Eco² OLED Plus™ display
  - Samsung E6 material
  - 120Hz LTPO
  - 2,160x1,916
  - Pol-less Plus display technology
  - DCI-P3 Color gamut
  - Dolby Vision®, HDR10+ support
- Flexible Ultra Thin Glass

Camera

- 50MP wide camera
  - IMX800
  - 23mm equivalent focal length[3]
  - 2.0 μm 4-in-1 Super Pixel
  - f/1.77, 1G+6P lens, SMA actuators for OIS
- 12MP ultra-wide camera
  - 15mm equivalent focal length[3], 120° FOV, f/2.2, 5P lens
- 10MP telephoto camera
  - 75mm equivalent focal length[3], f/2.0
- 10MP periscope camera
  - 115mm equivalent focal length[3], f/2.92
- 20MP front camera

Performance

- Snapdragon® 8 Gen 2 Leading Version
  - 4nm power-efficient manufacturing process, up to 3.36GHz
- LPDDR5X + UFS 4.0 storage

Battery & Charging

- 4800mAh battery
- 67W wired turbo charging
- 50W wireless turbo charging

Audio

- Dual speakers
- Dolby Atmos®

Connectivity

- Multifunctional NFC

Operating System

- MIUI Fold 14 based on Android 13

Slim, lightweight, and durable design

Xiaomi MIX Fold 3 comes as Xiaomi's lightest and slimmest foldable smartphone yet. Innovations in engineering, technological application and materials have enabled us to achieve tremendous breakthroughs with this smartphone in both weight and slimness. Measuring just 10.86mm[4] folded and opening to the ultimate slimness of 5.26mm[4], Xiaomi MIX Fold 3 brings an all-round, powerful foldable experience, taking our understanding of foldable smartphone design to a whole new level.

This smartphone is equipped with a Xiaomi proprietary hinge, which leverages ultra-slim and lightweight hinge technology. The hinge comes with an innovative design and includes up to 14 micro-hinges, almost double the previous generation's 8, perfectly enabling the curvature of the display. This enables Xiaomi MIX Fold 3 not only to lie flat but also now to hover open from 45° to 135°, increasing convenience for videos, file viewing, and photos.

This design also effectively addresses deformation of the display, and reduces the risk of damage to the display if dropped. The hinge is equipped with ultra-high strength steel, which has a yield strength of up to 1800MPa, providing a firm guarantee for the stability and durability of the device. Meanwhile, the hinge's rotating mechanism is made of ultra-durable carbon ceramic steel, enhancing the durability of the smartphone in frequent use. The hinge's stellar combination of high strength and high wear resistance enabled it to achieve the TÜV Rheinland Extreme Folding certification for 500,000 folds[1], thereby ensuring stable operation. The hinge consists of 198 components.

Xiaomi MIX Fold 3 has passed a series of precise and rigorous tests, and through our advanced simulation and laboratory drop experiments, our research team has found that by adopting an all-new 3-element connecting rod structure, Xiaomi MIX Fold 3 showed a 7-fold increase in drop testing reliability, compared to typical waterdrop hinges[5].

All-round reliability, from the inside out

Xiaomi MIX Fold 3's inner display consists of UTG (Ultra Thin Glass), which significantly outperforms traditional colorless polyimide (CPI) displays in both strength and durability. It is, in fact, 2.25 times stronger than traditional CPI materials, meaning enhanced smoothness and reliability[5]. After internal testing of 200,000 folds, the change in crease depth was just 10μm[5].

On the outside of the phone is an innovative Xiaomi self-developed composite fiber back-cover, woven from five layers of composite materials, making it 36 times stronger than normal glass and 28% lighter, ensuring that Xiaomi MIX Fold 3 is both strong and resilient to drops. The Xiaomi composite fiber variant weighs merely 255g[2], while the alternative glass variant is just 259g[2]. Both variants are available in Black, and the alternative glass variant is also offered in Gold.

Unique quad camera system with 5 focal lengths for professional photography

Xiaomi MIX Fold 3 is the only foldable smartphone featuring a quad camera system with 5 focal lengths and a Xiaomi x Leica Co-engineered Summicron Lens. It covers focal lengths ranging from 15mm (ultra-wide)[3], 23mm (main)[3], 46mm (main)[3] and 75mm (telephoto)[3] to 115mm (periscope)[3], offering endless possibilities in the realms of professional photography.

Xiaomi MIX Fold 3's ultra-slim camera module continues the use of an aspherical lens, but also introduces an all-new Ultra-high Transmittance Glass Lens for the first time, helping to reduce the thickness of the overall module. Furthermore, with SMA OIS, this foldable smartphone has enjoyed a significant leap forward in photography, while still maintaining its lightweight design.

This exceptional camera hardware is complemented by software to give users an end-to-end Leica experience. This begins from taking each photo with the Leica classic shutter sound, through two Leica photographic styles: Leica Authentic Look and Leica Vibrant Look, to Leica filters, and adding the Leica watermark to the final result.

Further enhancing the photography experience is Xiaomi Imaging Engine, which can fully make use of asynchronous computing capabilities of the CPU, GPU, NPU, and ISP. By implementing a photography pipeline based on this, the response speed of the imaging system has been significantly improved.

Even more potential is added to the photography and video experience, thanks to Xiaomi MIX Fold 3's dual displays. Users can enjoy a preview option on both displays. Furthermore, by hovering the smartphone when shooting, waist-level photography, time-lapse photography and even rear camera selfies can be achieved.

Easy-on-the-eye display with unparalleled power efficiency

Xiaomi MIX Fold 3 offers a premium tablet-like viewing experience, ideal for supporting work or enjoying entertainment. It is equipped with an inner 8.025" Eco² OLED Plus™ display with a 2,160x1,916 resolution and a light transmittance rate of 68% rather than the 43% of typical OLED displays[5]. Alternatively, when the device is folded, users can experience a 6.56" AMOLED outer display with a 21:9 aspect ratio and 2,520x1,080 resolution. Both displays are upgraded with E6 display technology bringing enhanced luminous efficiencies, namely 24.8% higher on the inner display[5] and 7.3% higher on the outer display[5], with a peak brightness of up to 2600 nits. While providing an incredible visual experience, Xiaomi MIX Fold 3's displays offer enhanced power efficiency.

Seamlessly smooth performance with improved battery life

Xiaomi MIX Fold 3 features the latest flagship Snapdragon® 8 Gen 2 Leading Version chipset, bringing enhancements in both CPU and GPU. Meanwhile, its compact 4800mAh ultra-high density battery in combination with the Xiaomi Surge battery management system results in long-lasting battery life. This makes Xiaomi MIX Fold 3 ideal for shooting photos and videos, watching movies or taking video calls for long periods of time. When the battery does need juicing up, 67W wired turbo charging will power you up to 100% in just 40 minutes.[6] 50W wireless turbo charging is also offered that takes Xiaomi MIX Fold 3 just 55 minutes to charge to 100%.[6]