

XM:MI-10-Pro-5G-Phone-12GB-256GB Datasheet

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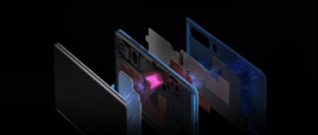




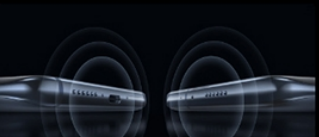
Overview

Related Similar 5G Phones

Product Code	SIM	Battery	Chipset	Support 5G Bands	Size
Samsung Galaxy S20 Ultra SM-G9880	Dual SIM	5000mAh	Snapdragon 865+	5G TDD Sub6: N41(2500)/N78(3500)/N79(4500)	6.9 inches
Samsung Galaxy Note20 Ultra SM-N9860	Dual SIM	4500mAh	Snapdragon 865+	5G TDD Sub6: N41(2500)/N78(3500)/N79(4500)	6.9 inches
Samsung Galaxy Z Flip SM-F7070	Dual SIM	3300mAh	Snapdragon 865+	5G TDD Sub6: N41(2500)/ N78(3500)/N79(4500)	6.7 inches
HUAWEI P40 5G Phone	Dual SIM	3800mAh	Kirin 990	5G NR: n1/n3/n41(2515M-2690MHz)/n77/n78/n79	6.1 inches
HUAWEI Mate 40 5G Phone	Dual SIM	4200 mAh	Kirin 9000E	5G NR: n1/n3/n28 (TX: 703 MHz-733 MHz, RX: 758 MHz-788 MHz) /n38/n40/n41/n77/n78/n79/n80/n84	6.5 inches
iPhone 12 / iPhone 12 Pro	Dual SIM	2815 mAh	A14 Bionic chip	5G NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n66/n77/n78/n79	6.1 inches
iPhone 12 Pro Max	Dual SIM	3687 mAh	A14 Bionic chip	5G NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n66/n77/n78/n79	6.7 inches
Xiaomi Mi 10 5G Phone	Dual SIM	4780mAh	Snapdragon 865	5G NR: n1/n3/n41/n78/n79	6.67 inches
Xiaomi Mi 10 Ultra	Dual SIM	4500 mAh	Snapdragon 865 (7 nm+)	5G NR: n1/n3/n41/n78/n79	6.67 inches
OPPO Reno4 5G Phone	Dual SIM	4020mAh	Snapdragon 765G	5G NR: n1/n3/n41/n77/n78/n79	6.4 inches
OPPO Find X2 5G Phone	Dual SIM	4200mAh	Snapdragon 865	5G NR: n1/n41/n78/n79	6.7 inches

Learn More: [5G Devices](#)



 <p>Qualcomm® Snapdragon™ 865</p>	 <p>Leading 5G connectivity and performance</p>	 <p>Super Powerful VC Liquid Cooling System</p>	 <p>4500mAh battery with 50W fast charging</p>
 <p>108MP quad camera with 8K video</p>	 <p>10x hybrid zoom and dual OIS</p>	 <p>90Hz 6.67" DotDisplay with TrueColor</p>	 <p>Dual speaker system for cinematic audio</p>

New generation Snapdragon™ 865
World leading LPDDR5 RAM
Expect to have your expectations surpassed.

Qualcomm® Snapdragon™ 865

Flagship CPU of the Year, highly improvement in CPU, GPU and AI performance.
Build the fastest and strongest 5G platform.

+25%

Improved performance compared to previous generation

-25%

Energy consumption compared to previous generation

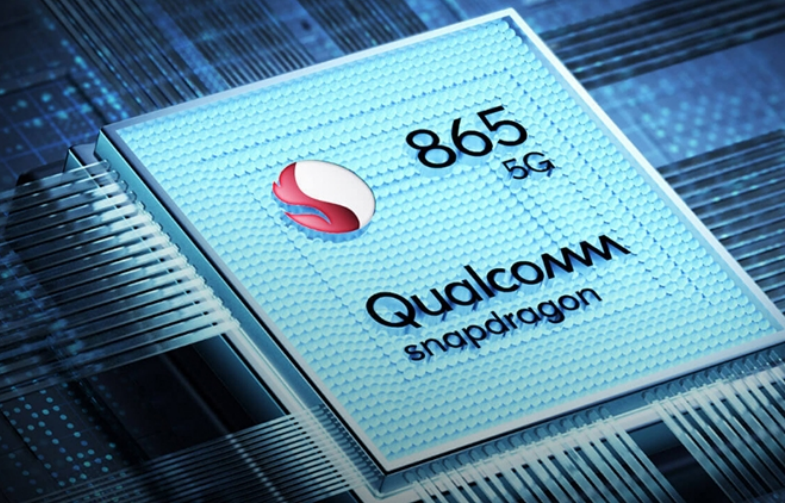
5th generation AI Engine

AI processing power is 100%* higher than the previous generation

AnTuTu score 602660

38% higher than the previous generation

*Data sourced from official Qualcomm® Snapdragon™ product page.
"Previous generation" refers to Snapdragon™ 855



LPDDR5 UFS 3.0 Flash storage

New-generation LPDDR5 RAM for 29% faster speed,
coupled with UFS 3.0 flash storage for 100% improved performance

8GB LPDDR5

Largest available

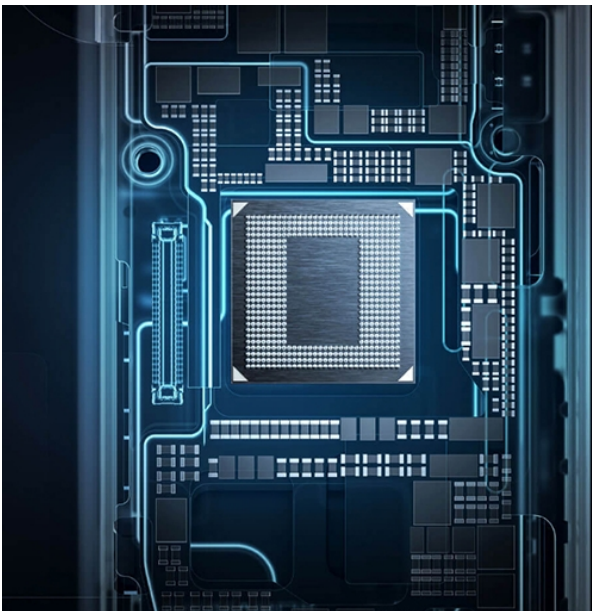
256GB UFS3.0

Largest available

LPDDR5 storage speed reaches 5500Mb/s
Improved 29% than previous generation*

LPDDR5 bandwidth reaches 44GB/s
Improved 29% than previous generation*

*All data on this page are obtained from Xiaomi laboratories.
The improvement in speed compared to the previous generation LPDDR4X, and UFS2.1.



VC Liquid Cooling

Super large vapour chamber surface area + 6-stack graphite layer + heat-transmitting gel

10.5 °C*

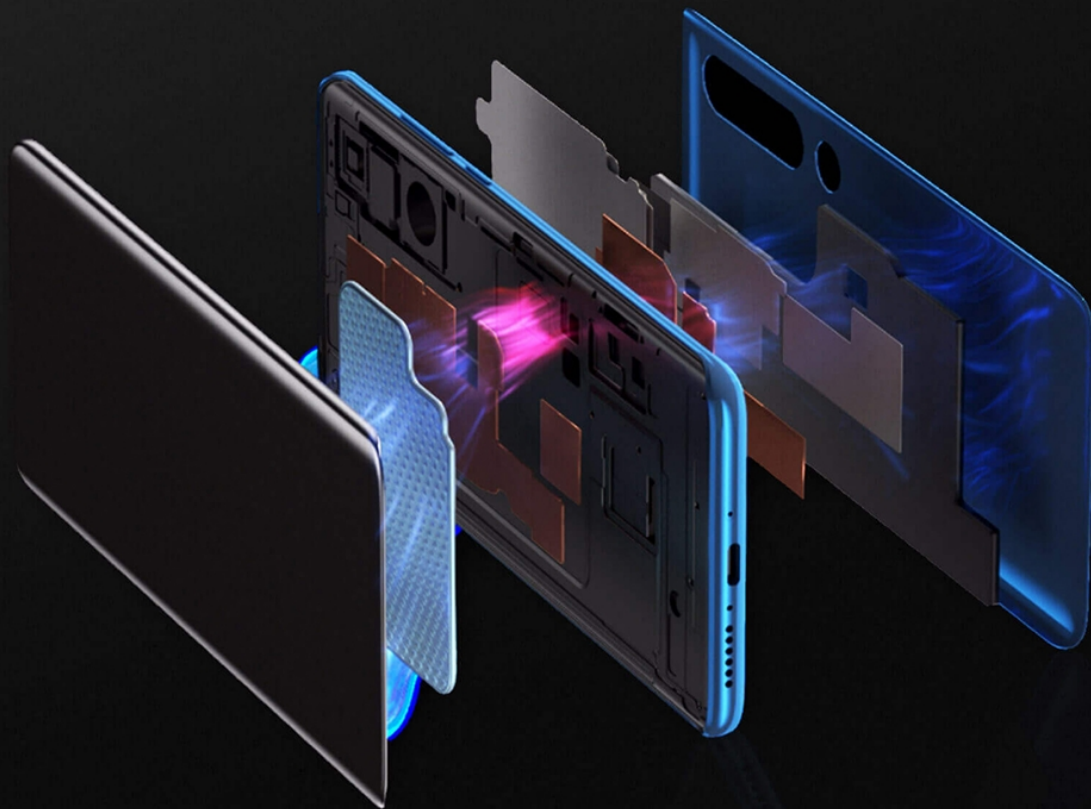
CPU temperature reduction

3000mm²

VC heat dissipation area

Intelligent thermal control

Intelligent CPU frequency and current control



4500mAh(typ) large battery + 50W wired fast charging

100% charged only in 45 minutes. Faster than you think.

50W

wired fast charging

30W

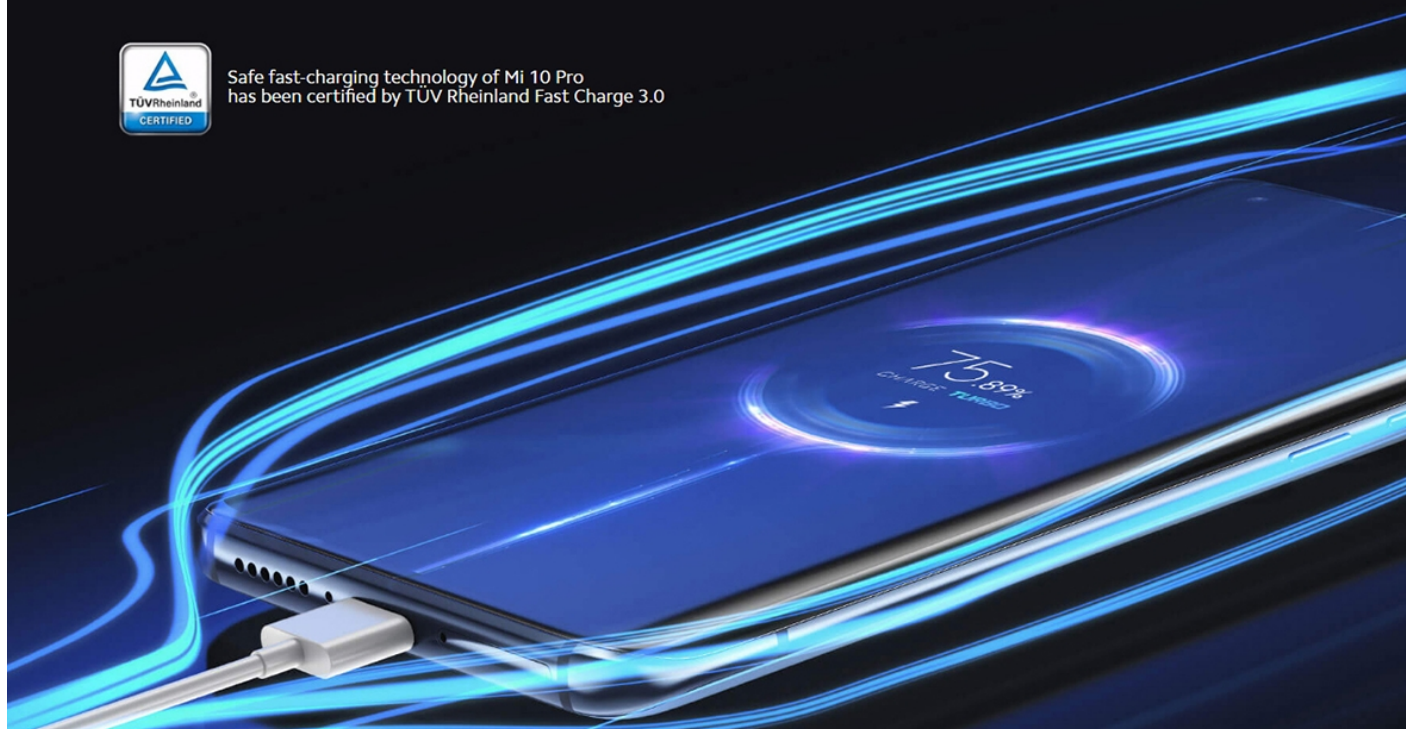
wireless fast charging

In-box 65W charger

Compatible with PD / PPS protocol, and can provide fast charging for laptops, smartphones, Switch and other devices.



Safe fast-charging technology of Mi 10 Pro
has been certified by TÜV Rheinland Fast Charge 3.0



Entering the 5G era*
Experience the Internet of the future
with support for 5G and Wi-Fi 6

Wi-Fi 6

Supporting the new 5G Wi-Fi standard: Wi-Fi 6.
Maximum throughput reaches 9.6Gb/s,
an improvement of 270% over the previous generation.
Supports OFDMA and 8x8 MU-MIMO technology,
which allows multiple devices to connect simultaneously to
maintain high and stable download speeds.

MultiLink

2.4GHz WiFi + 5GHz WiFi + 4G/5G
Simultaneous connections to up to 3 networks,
to ensure stable and uninterrupted connectivity.

108MP camera with AI pixel-level optimization
We draw out the power
of 108 megapixels to the fullest.

108MP Camera Pro

Software and hardware work together to achieve breakthroughs in speed, display quality and user experience.
A more powerful and responsive camera system lets you capture more vivid 108MP photos faster, and store it using 40% less space.

8P lens

Rare in the Industry Markedly enhance the light-gathering ability,
fully unlocking the potential of the 108MP camera.

AI 2.0

Comprehensive pixel-level optimization,
contributing to more vivid pictures

2 billion pixels per second

Qualcomm Spectra™ 480 ISP allows you to take pictures fast.

40%

HEIF compression technology to conserve storage space

108MP Quad Camera 4 Cameras, 5 Specialties

◎ 8MP 10x hybrid zoom lens

◎ 12MP portrait camera

◎ 108MP ultra-clear primary sensor

◎ 20MP ultra wide-angle camera



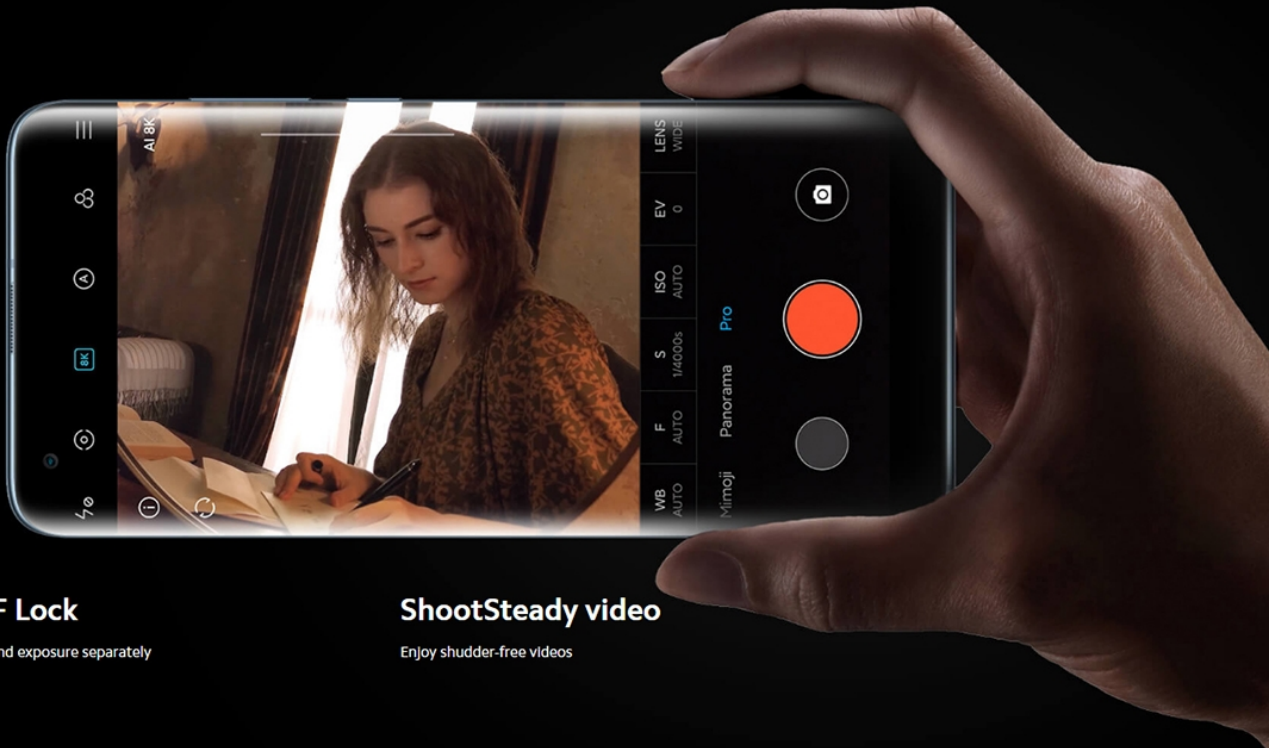
The 108MP camera smartphone
with 8K Ultra HD Video recording.
With the powerful Pro mode, you are only a few taps away from
creating professional videos.

Cinematic video

Your masterpieces can be now presented with an amazing resolution taken by smartphones, with a resolution equivalent to 4 times that of a 4K video. You can edit videos as easily as photos, and then project them on a screen and enjoy their sharpness, smoothness and subtle details.

Pro mode

Experience new heights in smartphone videography with 8K video combined with Pro mode. Functions like AE/AF Lock and Focus Peaking, provides you with more room for your creativity. Shoot like a professional!



AE/AF Lock

Set focus and exposure separately

ShootSteady video

Enjoy shudder-free videos

Focus Peaking

Manual focus to further unleash your videographic creativity

AI-empowered camera movement and video editing

Professional-grade vlogging features

Movie frame

Want to add more highlights to your masterpieces? With features including 8 built-in classic movie filters, real-time background blurring, and color focus filters, your videos will be transformed into cinematic experiences.

2.35 : 1

The aspect ratio used in professional movie-making

Portrait mode background blurring

Cinematic-quality videos

Color focus

Videos as expressive as movies

8 classic movie filters

Tell your stories through movie-like videos

1216 super-linear speaker 90Hz Display Cinema-grade experience of display and audio, refreshing your standards.

Balanced stereo sound

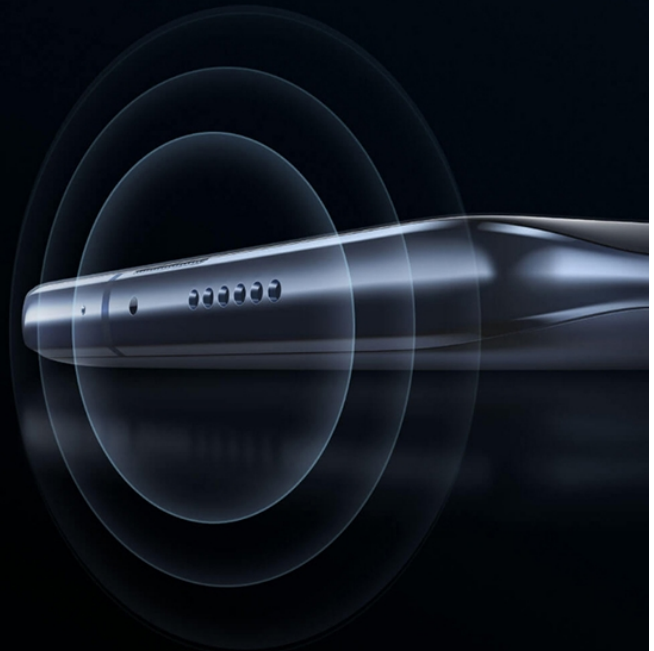
To craft the best smartphone audio speakers, the MI 10 series delivers two breakthroughs: a truly balanced stereo design, and a 7-magnet speaker design. This doubles the volume and greatly increases the dynamic range.

This industry-leading hardware is combined with fine-tuned exclusive stereo sound effects for different scenarios, bringing you a more immersive audio experience.



Dual 1216 super-linear speaker

1.2cc-equivalent speaker chamber.
Large volume, wide range



7-magnet speaker design

0.08mm-gap 7-magnet speakers for greater speaker amplitude

Fine-tuned sound for all scenarios

Customized stereo sound effects,
Immersive audio experience.

15 volume levels

Crank up the volume without having to worry about sound distortion.
Turn it all the way down and still experience rich and deep sound.

90Hz Display 6.67" AMOLED 3D curved display

Meet Xiaomi's best display so far! It has a high refresh rate of 90Hz and a sampling rate of 180Hz. Whether you are reading or playing games, the screen is smoother and has better sensitivity than ever. At the same time, it also has the best color accuracy among Xiaomi's current displays.

6.67 inches

19.5:9 ratio

HDR 10+

Support HDR display

5000000:1

High contrast rate

**180Hz sampling
rate**

Better sensitivity

P3

Wide color gamut

1200nit

Peak brightness



TrueColor

$\Delta E < 1.1$

Industry-leading color management technology further enhances color accuracy.

Colors are more accurate in photos and videos, delivering a more realistic experience while being gentle on your eyes.

JNCD < 0.55

Display color accuracy



Get More Information

Do you have any question about the Xiaomi MI 10 Pro 5G Phone 12GB+256GB?

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

Xiaomi MI 10 Pro 5G Phone 12GB+256GB Specification

Platform	Qualcomm® Snapdragon™ 865 flagship platform Qualcomm® Kryo™ 585, 7 nm Process Technology CPU frequency: Octa-core processor, up to 2.84 GHz Qualcomm's trifecta design: 1 x 2.84GHz Prime core + 3 x 2.42GHz Gold core + 4 x 1.8GHz Silver core GPU: Adreno™ 650 GPU AIE: 5th generation AIE processor
Storage and RAM	12GB + 256GB RAM: 12GB ROM: 256GB LPDDR5 memory UFS3.0 flash storage * The amount of available storage and RAM is less than the indicated memory, as the operating system and pre-installed software are stored in the device.

Rear Camera	<p>108MP AI rear quad camera 10x hybrid optical zoom 50x digital zoom 108MP ultra-clear primary sensor 1/1.33", 0.8µm 4-in-1 to 1.6µm, f/1.69, aperture, OIS, 8P lens</p> <p>8MP 10x hybrid zoom lens 10x hybrid zoom, OIS, f/2.0 aperture, 1.0µm pixel size</p> <p>12MP Portrait lens 2x optical zoom, 1.4µm large pixel size 2PD autofocus, f/2.0 aperture</p> <p>20MP ultra wide-angle Up to 117° FoV, f/2.2 aperture</p> <p>Rear camera photography features Portrait mode background blurring Panorama mode Pro mode Photo timer Leveling Document mode Burst mode Face recognition HDR AI Beautify AI smart slimming Ultra wide-angle edge distortion correction Group photo face correction Custom watermark Portrait mode background blur adjustment Rear camera AI scene detection AI light trails AI Studio lighting AI high resolution photos</p> <p>Rear camera video features Movie frame Macro slow-motion video Portrait video 4K recording 960 fps slow motion video 960 fps Smart soundtrack pairing 15 Seconds Short video recording Rear Short video smart slimming Rear video beautify ShootSteady video 8K video recording: 30fps 4K video recording: 30/60fps 1080p video recording: 30/60fps 720p video recording: 30fps</p> <p>Slow-motion video 960fps: 720P/1080P 240fps: 720P/1080P 120fps: 720P/1080P</p>
Front Camera	<p>20MP Ultra-clear Front Camera Front camera photography features Panorama selfie Full screen camera frame Palm shutter Front camera HDR Front camera flash(via display) Selfie timer Eye light AI Beautify AI feature adjustment AI makeup AI portrait mode AI scene detection AI studio lighting</p> <p>Front camera video features 720P: 30fps/120fps 1080P: 30fps</p>
Display	<p>6.67" AMOLED Screen Display TUV Rheinland low blue-light certification Resolution: 2340×1080 FHD+ 90Hz refresh rate 800 nit (HBM)/500 nit (typ) Contrast 5000000:1 (typ) Color Gamut: 100% DCI-P3, sRGB and NTSC coverage Corning® Gorilla® Glass 5</p> <p>*Xiaomi phones feature a curved design with gracefully rounded corners. When measuring the rectangle formed from the farthest ends of each corner, the screen has a diagonal length of 6.67 inches (actual display area may be slightly smaller).</p>
Charging and battery	<p>4500mAh(typ) / 4400mAh(min)* Built-in rechargeable battery USB Type-C reversible connector port TÜV Rheinland Certified Safe Fast-Charge System 3.0 Supports QC4.0+ / PD 3.0 quick charging protocol 65W charger included in-box PD charging protocol</p> <p>Triple Fast Charging</p> <p>50W wired fast charging 30W wireless fast charging</p>

Network & Connectivity	<p>Single SIM Single Nano-SIM slot Supports 5G/4G+/4G/3G/2G Supports VoLTE HD calling 5G requires the support of local telecom operator services, and may not be available in all regions Does not support TD-SCDMA, CDMA, EVDO Only certain regions and telecom operators support VoLTE.</p> <p>Supported network bands 5G: Sub6G: n1/n3/n7/n28/n77/n78 4G: FDD-LTE: 1/2/3/4/5/7/8/20/28/32 4G: TD-LTE: 38/40 3G: WCDMA: B1/B2/B4/B5/B8 2G: GSM: B2/B3/B5/B8 Supports 4x4 MIMO HPUE HO RxD</p> <p>Wireless network Supported protocols: 802.11a/b/g/n/ac/ax Supports 2.4G Wi-Fi / 5G Wi-Fi Supports 2x2 MIMO, 8x8 Sounding for MU-MIMO, WiFi Direct, WiFi Display, supports WPA3. Supports Bluetooth 5.1, Qualcomm TrueWireless™ Stereo Plus Supports AAC/LDAC/LHDC /LLAC</p>
NFC	Supports Google Pay
Dimensions	<p>Height: 162.5mm Width: 74.8mm Thickness: 8.96mm Weight: 208 g</p> <p>*Data obtained from Xiaomi Laboratories. Results may vary depending on the method of measurement used.</p>
Navigation & positioning	<p>GPS: L1+L5 Galileo: E1+E5a GLONASS: G1 Beidou A-GPS supplementary positioning Electronic compass Wireless network Data network</p>
Audio	<p>Dual dedicated audio speakers 1216 super-linear speaker 1.2cc-equivalent speaker chamber</p>
Audio playback	<p>Supports audio formats such as MP3, FLAC, APE, DSF, M4A, AAC, OGG, WAV, WMA, AMR, AWB Hi-Res Audio certification</p>
Video playback	<p>MP4 M4V MKV AVI WMV WEBM 3GP 3G2 ASF Supports HDR display when playing HDR10 video content</p>
Sensors	<p>Proximity sensor In-screen ambient light sensor Accelerometer Gyroscope Electronic compass Hall effect sensor Linear motor IR blaster Barometer Laser auto-focus sensor Flicker sensor</p>
Operating system	MIUI 11
Package contents	<p>Mi 10 Pro/ Power adapter / USB Type-C cable/ Type-C to audio adaptive cable/ Simple protective cover / SIM eject tool / User guide / Warranty card</p>
<p>* Images on this page are illustration and the design of the real product may differ. * All data on this page regarding charging and battery life are obtained from Xiaomi laboratories. Actual results may vary according to differences in software version, environment and phone edition and may not reflect the actual product. * All comparisons made on this page to typical phones refer to typical Xiaomi phones; Unless otherwise indicated on the Mi 10 Pro product page, all data come from by Xiaomi Laboratories, product design specifications and supplier data. The testing data may vary slightly between different test versions and testing environments. All figures shown on the product page are for reference only and may not reflect the actual product.</p>	

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