

CAMERAS

50MP Main Camera
Sony LYTIA™L910
2.44µm Quad Pixel
f/1.6 aperture
3.5° OIS
84.7° Field of View
Ultra Resolution
Up to 8K Video Resolution

50MP Ultrawide Camera[6]
1.28µm Quad Pixel
122° field of view
f/2.0 aperture
PDAF focus
Up to 4K Video Resolution

200MP Periscope Telephoto
3x Optical Zoom
up tp 100x Super Zoom Pro
2.0µm Quad Pixel
36.4° Field of View
Up to 4K video resolution
Ultra Resolution
OIS

50MP Front Camera
1.28µm Quad Pixel
f/1.9 aperture
89.3° Field of View
PDAF focus
Up to 4K video resolution
Ultra Resolution

Video Capture
8K (30fps) | 4K (60fps/30fps) | FHD (60fps/30fps) | Slow motion: 4K (120fps)

Camera Features
100x Super Zoom Pro, Action Shot, Auto Night Vision, Auto Motion Capture, Auto Smile Capture, Dual Capture Video, Face Retouch, Gesture Capture, Google Lens, Group Shot, Live Filters, Macro, Night Vision, Panorama, Pantone SkinTone™ Validated, Pantone Validated™ Colour, Photo Booth, Photo Enhancement Engine, Portrait Mode (24mm, 35mm, 50mm, 85mm/135mm), Pro Mode, Scan (powered by Adobe Scan), Signature Style, Smart Colour Watermark, Ultra Resolution | Google Photos editing features: Auto Enhance, HDR Effect, Magic Eraser, Magic Editor, Portrait Blur, Photo Unblur, Photo to video, Portrait Light, Sky

Video Features
Adaptive Stabilisation, Audio Zoom, Auto Focus Tracking, Dolby Vision® recording, Dual Capture, Face Retouch, Horizon Lock, Live Filters, Macro Video, Slow-Motion, Video HDR, Timelapse



DESIGN

Dimensions
162.01 x 77.04 x 7.99mm

Weight
227g

Protection
IP69/IP68 underwater protection[1]
MIL-STD-810H[10]

Colours[2]
PANTONE Coal Smoke
PANTONE Capulet Olive

DISPLAY

6.78” Extreme AMOLED Duo



Dolby Vision® | HDR10+ | Pantone Validated™ Colour | 100% DCI-P3 colour space | Refresh rate up to 120Hz[7] | 12000 nits peak brightness[8] | Water Touch

PERFORMANCE

OS
Android 17

Chipset
Snapdragon® 8 Elite Extreme Gen 6

Memory (RAM)
12GB LPDDR5X
16GB LPDDR5X
Up to 24GB with RAM Boost[9]

Storage[3]
256GB UFS 4.1
512GB UFS 4.1

Cooling System
ArcticMesh
Diamond-infused gel
8384mm2 vapor chamber

Battery[4]
7000mAh
Silicon-Carbon

Charging
90W TurboPower™ wired charging
50W TurboPower™ wireless charging[11]
5W wireless reverse charging
4.5W wired reverse charging

Gemini Intelligence

Lenovo | motorola Qira

AUDIO

5 built-in microphones
Coaxial stereo speakers
Audio by B&O
Dolby Atmos®
Hi-Res Audio
Qualcomm® Snapdragon Sound™

IN-BOX ACCESSORIES

USB Type-C to USB Type-C cable, Guides, SIM tool, TurboPower™ 90W charger, protective moto snap case, signature packaging fragrance

OTHER

FM Radio
No

Location Services
GPS, Galileo QZSS, BeiDou, NavIC, GLONASS

Sensors
Proximity Sensor, Ambient Light Sensor, Accelerometer, Gyroscope, SAR Sensor, Magnetometer (e-Compass)

NETWORKS

5G: NR
4G: LTE
3G: UMTS/HSPA+
2G: GSM/EDGE

BANDS[2]
2G: GSM850/900/1800/1900
3G: W1/2/4/5/8
4G: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/32/34/38/39/40/41/42/43/48/66/71
5G: n1/2/3/5/7/8/12/13/14/20/25/26/28/29/38/40/41/48/66/70/71/75/77/78/79/80/81/83/84/89/94

SIM
eSIM + physical SIM

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1. Tested under controlled laboratory conditions, the phone is water, splash, and dust resistant to ratings of IP68 and IP69 (IEC 60529). The phone can be submerged up to 1.5 meters in still, fresh water for up to 30 minutes, and is protected against powerful, high-temperature water jets for up to 30 seconds. Exposure to conditions beyond these ratings is not covered by warranty. Resistance will decrease as a result of normal wear. Not designed to work while submerged underwater. Do not expose to liquids other than fresh water. Do not attempt to charge a wet phone. Designed to provide protection against the ingress of solid foreign objects of any size. Not waterproof.
2. Varies by market.
3. Available user storage is less due to preloaded software and is subject to change without notice due to software updates.
4. All battery life claims are approximate and based on the median user tested across a mixed use profile (which includes both usage and standby time) under optimal network conditions. Actual battery performance will vary and depends on many factors including signal strength, network and device settings, temperature, battery condition, and usage patterns.
5. Google and Google Gemini are trademarks of Google LLC.
6. 50MP ultrawide sensor combines 4 pixels into 1, for an effective photo resolution of 12.5MP.
7. Actual refresh rate may be less and will vary based on app/content limitations and requirements, device mode settings, and other factors.
8. Motorola lab data. The value refers to the screen's peak brightness it can reach in specific scenarios, but the actual performance may vary depending on environmental conditions.
9. RAM Boost extended RAM requires use of phone's internal storage as virtual memory, decreasing storage capacity, available user storage is less while in use. 12GB model: 12GB physical RAM + up to 12GB RAM Boost (AI auto optimised default | 24GB Max). 16GB model: 16GB physical RAM + up to 8GB RAM Boost (AI auto optimised default | 24GB Max). Available RAM is less due to operating system, software and other functions; may change with software updates. Features vary by market.
10. The U.S. Department of Defense's MIL-SPEC standards establish methodologies for testing products against environmental stresses under controlled laboratory conditions. Motorola tests devices against hazardous physical and environmental conditions under select categories and procedures of the MIL-STD-810H standard to determine durability. Such testing is not a guarantee of future performance under these test conditions.
11. Requires Motorola TurboPower™ 50W Wireless Charger, sold separately. Battery must be substantially depleted; higher chargers will not increase maximum charge capability. charge boost must be "on"; charging rate slows as charging progresses.