



 **moto g 87**

200 MP of
pure sharpness



200MP¹ ultra-res OIS
camera system



ultra-bright
Extreme AMOLED display



stylish design,
all-around protection

cameras

Main Rear Camera
200MP¹
f1.8 aperture
0.5µm pixel size
16 in 1 Ultra Pixel
technology for 2.0µm
PDAF
2x lossless zoom
OIS

Camera 2
8MP
Ultra-wide angle
f/2.2 aperture
1.12µm pixel size

Camera 3
Ambient Light
sensor



Front Camera
32MP²



performance

CPU
MediaTek Dimensity 6400 (6nm)
processor with 2.5GHz octa-core
CPU and Arm Mali-G57 MC2 GPU
OS
Android™ 16
Memory³
8/12GB RAM⁴, expandable
up to 24GB⁵
Storage³
256/512GB built-in⁴
up to 2TB microSD card expandable⁶

display

120Hz refresh rate⁹

Resolution
Super HD (1272 x 2772)
450ppi
Aspect ratio
19.6:9
**Active Area-Touch Panel
(AA-TP):**
91.33%
Peak Brightness:
5000 nits¹⁰



Extreme AMOLED

design

Dimensions
164.18 x 77.37 x 7.38mm
Weight
183g
Protection
IP66/IP68/IP69 underwater protection¹¹
MIL-STD 810H¹²
Corning® Gorilla® Glass 7i
Colors³



PANTONE™
BLUE ATOLL

PANTONE™
OVERTURE

audio

Speakers
Stereo speakers
with Dolby Atmos®
Microphones 2



battery

5200mAh⁷

Charging Capability
30W device charging capable⁸

connectivity

Wi-Fi 802.11 a/b/g/n/ac
2.4GHz & 5GHz
Wi-Fi hotspot
Type-C® port (USB 2.0)
Bluetooth® 5.4

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1. The 200MP sensor combines 16 pixels into 1, for an effective photo resolution of 12.5MP. 2. The 32MP sensor combines 4 pixels into 1, for an effective photo resolution of 8MP. 3. Varies by market. Check with your carrier or retailer for availability. 4. Available user storage and internal memory is less due to operating system, software and other functions which utilize part of this capacity. Available capacity may change with software updates. 5. 8GB physical RAM + up to 16GB RAM Boost (4GB Default | 16GB Max). Available RAM is less due to operating system, software and other functions; may change with software updates. 12GB physical RAM + up to 12GB RAM Boost (4GB Default | 12GB Max). Available RAM is less due to operating system, software and other functions; may change with software updates. 6. Supports up to 2TB microSD card, microSD cards sold separately. Content with DRM restrictions may not be able to be moved to the card. 7. The typical capacity is 5200 mAh. Typical value is the estimated average capacity of a batch of batteries based on internal testing, representing the expected performance under normal conditions. Rated capacity is 5100 mAh. Rated capacity is the minimum guaranteed capacity of a battery under controlled conditions. 8. Charger may be sold separately. Maximum 30W TurboPower™ charging speed on device; requires Motorola TurboPower™ 30W charger or higher; higher chargers will not increase maximum charge capability. In-box charger varies by market. Check with your carrier or retailer for availability. 9. A minimum device refresh rate of 60Hz and a maximum refresh rate of 120Hz; actual refresh rate may be less and will vary based on app/content limitations and requirements, device mode settings, and other factors. 10. 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. 11. Water and dust resistance were tested to IP66, IP68, and IP69 standards under controlled laboratory conditions. Withstands immersion in up to 1.5 meters of fresh water for up to 30 minutes, and is protected against is protected against powerful water jets (e.g., heavy rain, hoses) from any direction, as well as high-pressure, high-temperature water jets for up to 30 seconds. Exposure to conditions beyond these ratings are 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. 12. 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. The [Region dependent: moto g87, moto g max] was tested against 13 categories and 13 MIL-STD-810H procedures to prove its toughness. Abuse, like that contained in MIL-STD-810H testing, is not covered under Motorola's standard warranty.