



moto g05_ Technical Specifications

Operating System	Android™ 15
System Architecture / Processor	MediaTek Helio G81 Extreme processor with 2xA75 2.0GHz + 6xA55 1.7GHz octa-core CPU, 820MHz Arm Mali-G52 MC2 GPU
Memory	4GB LPDDR4X RAM, expandable up to 12GB with RAM Boost*
Storage	64GB* built-in* Up to 1TB microSD card* expandable
Body	Rear: Vegan Leather Frame: Plastic Front: Corning® Gorilla® Glass 3*
Dimensions	165.67 x 75.98 x 8.17mm
Weight	188.8g
Water protection*	IP52 Water-repellent design Corning® Gorilla® Glass 3
Display	6.67" display
Display Technology	LCD Refresh rate: 90Hz* High Brightness Mode: up to 1000 nits Typical brightness: 800 nits Display Color Boost Water Touch
Display Resolution	HD+ (1612 × 720p) 263ppi
Display Aspect Ratio	20:9
Display Screen-to-body ratio	Active Area-Touch Panel (AA-TP): 90.15% Active Area-Body (AA-Body): 85.29%
Battery	5200mAh
Battery Life*	40 hours of battery life
Charging	18W device charging capable (charger sold separately)
Bands (by model)*	4G: LTE 1/2/3/5/7/8/18/19/20/26/28/38/40/41 (Full) 3G: 1/2/5/8 2G: 2/3/5/8
Main Rear Camera*	50MP* f/1.8 aperture 0.64µm pixel size Quad Pixel Technology with 1.28µm PDAF



Camera 2	Ambient light sensor
Flash	Single LED flash
Rear camera software	Shooting modes: Photo Night Vision Live Filter Portrait Panorama Google Lens™ integration Google Photos Editing: - Photo Unblur - Magic Editor - Portrait Blur - Portrait Light - Sky - Color Pop - Cinematic Photos Other features: HDR Leveler Timer Assistive Grid Watermark
Rear camera video capture	Rear main camera: FHD/HD (30fps) Rear Ultra-Wide camera : FHD/HD (30fps)
Rear camera video software	Shooting modes: Video Timelapse Slow motion Other features: Snap in Video Recording
Front camera hardware	8MP f/2.0 aperture 1.12µm pixel size
Front camera software	Shooting modes: Photo Portrait Live Filter Night Vision Artificial intelligence: Face Retouch Mirror Other features:



	HDR Leveler Assistive Grid Watermark Timer
Front camera video capture	FHD/HD (30fps)
Front camera video software	Shooting modes: Video Other features: Snap in Video Recording
SIM Card	Dual SIM (2 Nano SIMs + 1 microSD)
FM Radio	Yes
Speakers	Stereo speakers with Dolby Atmos®
Microphones	1
Headset Jack	3.5mm headset jack
Bluetooth® Technology	Bluetooth® 5.4
Wi-Fi	Wi-Fi 802.11 a/b/g/n/ac 2.4GHz & 5GHz Wi-Fi hotspot
Ports	Type-C port (USB 2.0)
NFC	Yes
Location Services	GPS, A-GPS, GLONASS, Galileo, QZSS,
Sensors	Proximity, Accelerometer, Ambient light, Gyroscope, SAR sensor, Sensor hub, E-compass
Security	Fingerprint reader, Face unlock
Inbox Accessories*	Protective cover, USB C to C cable, guides, SIM tool
Hello UX	Display: Attentive display Gestures: Fast flashlight, Three-finger screenshot, Flip for DND, Pick up to silence, Media Controls, Lift to unlock, Sidebar, Double press power key, Press and hold power button
Voice control	Google Assistant
Colours	Plum Red; Forest Green; Misty Blue
Warranty	24 months
Device name	moto g05



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[General Moto legal language]

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[Storage/ RAM Capacity] Available user storage is less due to many factors, including operating system, software and functions utilizing part of this capacity; may change with software updates.

[RAM Boost technology] 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; feature on by default unless turned off.

[RAM Boost capability with 4G internal RAM] 4GB physical RAM + up to 8GB RAM Boost (4GB Default | 8GB Max).

[MicroSD Card] MicroSD card sold separately. Content with DRM restrictions may not be able to be moved to the card.

[IP52/ IP54 water repellent] Water repellent design: *Water-repellent design creates a barrier to help protect against moderate exposure to water such as accidental spills, splashes, sweat or light rain. Not designed to be submersed in water, or exposed to pressurized water, or other liquids; Not waterproof.



[Corning Gorilla Glass 3] Corning and Gorilla are registered trademarks of Corning Incorporated.

[90Hz refresh rate] Auto mode has a minimum device refresh rate of 60Hz and a maximum refresh rate of 90Hz; actual refresh rate may be less and will vary based on app/content limitations and requirements, device mode settings, and other factors.

[Battery life] 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.

[20W charger] Maximum 18W charge; Rapid charging capable only with Motorola TurboPower™ 20W charger or higher (sold separately); Motorola TurboPower™ 20W or higher chargers will not increase maximum charge capability.

[50MP-Quad Pixel but actual resolution is 12.5MP]

The 50MP sensor combines 4 pixels into 1, for an effective photo resolution of 12.5MP.

[3.5mm earphones]

3.5mm earphones sold separately.

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