



Motorola moto g86 5G 16.9 cm (6.67") Dual SIM Android 15 USB Type-C 8 GB 256 GB 5200 mAh Dark Blue

Brand : Motorola

Product family: moto g86 5G

Product code: PB7L0086SE

Product name : moto g86 5G

6.67", AMOLED, HDR10+, 2712 x 1220px, 446ppi, MediaTek Dimensity 7300, 8/256GB, 50MP + 8MP, 32MP, USB Type-C, 5G, Bluetooth 5.4, Wi-Fi 6, NFC, Android 15

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Bold design. Big adventures.

For those who push the boundaries in life, introducing moto g86 5G. Beautifully crafted from premium materials, it stands out with a bold design featuring advanced water and drop protection(6,7). View everything on an ultra-bright 6.67" Super HD (1220p) display backed by Dolby Atmos® sound. Capture stunning photos with the 50MP Sony LYTIA™ 600 camera powered by moto ai(12), and effortlessly shoot like a pro. Get over 41 hours of battery life in just minutes of TurboPower™ charging(1,13). Feel the power of an advanced processor and 8GB—expandable to 24GB with RAM Boost—and up to 256GB of storage(3,9). And empower your creative freedom, effortless interactions, and peace of mind with exclusive Moto experiences. Embrace life's adventures with moto g86 5G.



Display		Network	
Display diagonal *	16.9 cm (6.67")	Bluetooth *	✓
Screen to body ratio	90%	Bluetooth version	5.4
Panel type	P-OLED	Near Field Communication (NFC)	✓
Display glass type	Corning Glass	Ports & interfaces	
Gorilla Glass version	Gorilla Glass 7i	USB port	✓
Display resolution *	2712 x 1220 pixels	USB connector type	USB Type-C
Display number of colours	1.07 billion colours	USB version	2.0
Colour depth	10 bit	Headphone connectivity	USB Type-C
Native aspect ratio	20:9	Navigation	
Maximum refresh rate	120 Hz	GPS (satellite)	✓
Maximum display brightness (HDR)	4500 cd/m²	GLONASS	✓
High Dynamic Range (HDR) supported	✓	BeiDou	✓
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus)	Galileo	✓
DCI-P3 coverage	100%	Quasi-Zenith Satellite System (QZSS)	✓
Pixel density	446 ppi	Electronic compass	✓
Brand specific technologies	Water touch	Position location *	✓
Blue light reduction	✓	Design	
Motion blur reduction	✓	Form factor *	Bar
Processor		Product colour *	Dark Blue
Processor family *	MediaTek Dimensity	Colour name	Spellbound
Processor model *	7300		
Processor architecture	ARM Cortex-A78+Cortex-A55		

Processor		Design	
Processor cores	8	Protection features	Drop resistant, Dust resistant, Scratch resistant, Water resistant
Processor boost frequency	2.5 GHz	Waterproof up to	1.5 m
Storage		Performance	
RAM capacity *	8 GB	Video call	✓
Virtual RAM (max)	16 GB	Fast charging	✓
Internal storage capacity *	256 GB	Wireless charging	✗
Compatible memory cards *	Not supported	Fast charging technology	TurboPower 30
Camera		AI control	✓
Rear camera resolution (numeric) *	50 MP	Fingerprint reader	✓
Second rear camera resolution (numeric)	8 MP	Face recognition	✓
Rear camera aperture number	1.88	Speakerphone	✓
Second rear camera aperture number	2.2	Voice commands	✓
Rear camera pixel size	0.8 µm	Military standard	MIL-STD-810H
Rear camera pixel size (Quad Pixel technology)	1.6 µm	Vibrating alert	✓
Second rear camera pixel size	1.12 µm	Multimedia	
Front camera type *	Single camera	FM radio	✗
Front camera resolution (numeric) *	32 MP	Number of microphones	2
Front camera aperture number	2.2	Speakers	stereo
Front camera pixel size	0.7 µm	Audio system	Dolby Atmos
Front camera pixel size (Quad Pixel technology)	1.4 µm	Software	
Rear camera flash *	✓	Platform *	Android
Front camera flash	✗	Operating system installed *	Android 15
Flash type	LED	Virtual assistant	Google Assistant
Sensor type	Sony LYTIA 600	Battery	
Video capture resolution (max)	3840 x 2160 pixels	Battery capacity *	5200 mAh
Maximum frame rate	240 fps	Sensors	
Resolution at capture speed	1920x1080@120fps, 1920x1080@240fps, 1920x1080@30fps, 3840x2160@30fps, 3840x2160@60fps	Proximity sensor	✓
Rear camera type *	Dual camera	Accelerometer	✓
Auto focus	✓	Ambient light sensor	✓
3D depth rear camera	✗	Gyroscope	✓
3D depth front camera	✗	Flicker sensor	✓
Face detection	✓	Gesture sensor	✓
Camera High Dynamic Range (HDR) mode	✓	Power	
Video stabilizer	✓	USB Type-C charging port *	✓
Image stabilizer	✓	USB Power Delivery (USB PD)	✓
Image stabilizer type	Optical Image Stabilization (OIS)	USB Type-C required charging power (min) *	5 W
Self-timer	✓	USB Type-C required charging power (max) *	33 W
Night mode	✓	Endurance	
Smile detection	✓	Energy efficiency class *	A
Panorama	✓	Energy efficiency scale	A to G
Portrait mode	✓	Battery endurance per cycle *	3344 min
Macro photography	✓	Battery endurance in cycles *	1000
Slow motion mode	✓	Repeated free fall reliability class *	A
Audio zoom	✓	Repairability class *	B
AI scene recognition	✓	International Protection (IP) code *	IP68
Network		Weight & dimensions	
SIM card capability *	Dual SIM	Width	74.7 mm
Mobile network generation *	5G	Depth	7.87 mm
SIM card type *	NanoSIM + eSIM	Height	161.2 mm
2G standards	GSM	Weight *	185 g

Network		Operational conditions	
3G standards *	CDMA, WCDMA	Operating temperature (T-T)	-20 - 60 °C
4G standard *	LTE	Operating altitude	0 - 4500 m
5G standard *	NR, Sub6	Packaging content	
Wi-Fi	✓	AC adapter included *	✗
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Quick start guide	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Screen protector	✗
		Cables included	USB Type-A to USB Type-C
		Headset included	✗
		SIM card ejector pin	✓
		Protective case	✓
Other features			
		Ringer type	MP3
		Repairability index	3.6



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