SAMSUNG

Samsung Galaxy A56 17 cm (6.7") Dual SIM Android 15 5G USB Type-C 8 GB 256 GB 5000 mAh Graphite



Brand : Samsung

Product family: Galaxy

Product code: SM-A566BZKCEUB

Product name : Galaxy A56

- Best Face
- Auto Trim exclusive
- Awesome Intelligence features

6.7", 1080 x 2340, Exynos 1580, 8/128GB, 50/12/5MP, 12MP, 5G, Wi-Fi 6, Bluetooth 5.3, 5000 mAh, Android 15

Samsung Galaxy A56. Display diagonal: 17 cm (6.7"), Display resolution: 1080 x 2340 pixels. Processor frequency: 2.6 GHz, Processor family: Samsung Exynos, Processor model: 1580. RAM capacity: 8 GB, Internal storage capacity: 256 GB. Rear camera resolution (numeric): 50 MP, Rear camera type: Triple camera. SIM card capability: Dual SIM. Operating system installed: Android 15. Battery capacity: 5000 mAh. Product colour: Graphite. Weight: 198 g



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Display	
Display diagonal *	17 cm (6.7")
Screen shape	Flat
Display technology marketing name	Super AMOLED
Display glass type	Gorilla Glass
Gorilla Glass version	Gorilla Glass Victus+
Display resolution *	1080 x 2340 pixels
Display number of colours	16 million colours
Maximum refresh rate	120 Hz
Display brightness	1200 cd/m²
Pixel density	385 ppi
Brand specific technologies	Always-on display

Processor	
Processor family *	Samsung Exynos
Processor model *	1580
Processor cores	8
Processor frequency *	2.6 GHz
Processor boost frequency	2.9 GHz

Storage	
User memory	234.4 GB
RAM capacity *	8 GB
Internal storage capacity *	256 GB
Compatible memory cards *	Not supported

Network	
Modulation	1024-QAM
Near Field Communication (NFC)	✔

Ports & interfaces	
USB connector type	USB Type-C
USB version	2.0
Headphone connectivity	USB Type-C
Mobile High-Definition Link (MHL)	✘

Messaging	
Short Message Service (SMS)	✔
E-mail	✔

Navigation	
GPS (satellite)	✔
GLONASS	✔
BeiDou	✔
Galileo	✔
Quasi-Zenith Satellite System (QZSS)	✔
Position location *	✔

Design	
Form factor *	Bar
Product colour *	Graphite

Camera

Rear camera sensor size	1/1.56"
Second rear camera sensor size	1/3.0"
Third rear camera sensor size	1/5.0"
Rear camera resolution (numeric) *	50 MP
Second rear camera resolution (numeric)	12 MP
Third rear camera resolution (numeric)	5 MP
Fourth rear camera resolution (numeric)	50 MP
Rear camera aperture number	1.8
Second rear camera aperture number	2.2
Third rear camera aperture number	2.4
Rear camera pixel size	1 µm
Second rear camera pixel size	1.12 µm
Third rear camera pixel size	1.12 µm
Rear camera field of view (FOV) angle	84°
Second rear camera field of view (FOV) angle	123°
Third rear camera field of view (FOV) angle	78°
Digital zoom	10x
Front camera type *	Single camera
Front camera sensor size	1/3.2"
Front camera resolution (numeric) *	12 MP
Front camera aperture number	2.2
Front camera pixel size	1.12 µm
Front camera field of view (FOV) angle	81°
Rear camera flash *	✔
Flash type	LED
Video capture resolution (max)	3840 x 2160 pixels
Maximum frame rate	30 fps
Resolution at capture speed	1280x720@30fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@30fps
Rear camera type *	Triple camera
Auto focus	✔
Zoom capability	✔
Image stabilizer	✔
Image stabilizer type	Optical Image Stabilization (OIS)
Night mode	✔
Panorama	✔
Portrait mode	✔
Macro photography	✔
Slow motion mode	✔
Slow motion rate	240fps @HD
Camera image formats supported	DNG, HEIF, JPEG

Network

SIM card capability *	Dual SIM
Mobile network generation *	5G
SIM card type *	NanoSIM + eSIM
2G standards	GSM
3G standards *	WCDMA
4G standard *	LTE-TDD & LTE-FDD
5G standard *	Sub6 TDD
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Bluetooth *	✔
Bluetooth version	5.3
2G bands (primary SIM)	850,1900,1800,900 MHz
3G bands supported	2100,900,1900,850,1700 MHz

Design

Colour name	Awesome Graphite

Performance

Fast charging	✔
Wireless charging	✘
Fingerprint reader	✔
Face recognition	✔
Hearing aid compatibility	✔
Screen sharing	✔

Multimedia

Speakers	stereo
Audio system	Dolby Atmos
Audio formats supported	3GA, AAC, AMR, AWB, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, XMF
Video formats supported	3G2, 3GP, AVI, FLV, M4V, MKV, MP4, WEBM

Software

Platform *	Android
Operating system installed *	Android 15
User interface (UI)	One UI 7.0
Google applications	Gmail, Google Chrome, Google Drive, Google Maps, Google Meet, Google Play, Google Search, YouTube

Battery

Battery recharge time	1.8 h
Removable battery	✘
Battery endurance in cycles *	2000
Battery capacity *	5000 mAh
Continuous video playback time (max)	29 h

Sensors

Proximity sensor	✔
Accelerometer	✔
Ambient light sensor	✔
Gyroscope	✔
Geomagnetic sensor	✔

Power

USB Type-C charging port *	✔
USB Power Delivery (USB PD)	✔
USB Type-C required charging power (min) *	10 W
USB Type-C required charging power (max) *	45 W

Endurance

Energy efficiency class *	B
Energy efficiency scale	A to G
Battery endurance per cycle *	2674 min
Repeated free fall reliability class *	A
Repairability class *	C
Repairability index	8.4
International Protection (IP) code *	IP67

Weight & dimensions

Width	77.5 mm
Depth	7.4 mm
Height	162.2 mm
Weight *	198 g

Network	
4G bands supported	2100,700,800,1900,850,1800,1500,2300,2600,900,1700,2500 MHz
5G bands supported	2100,700,800,850,1800,2600,900,1700,2300,2500,3700,3500 MHz
4G data rate (max)	1200 Mbit/s
5G data rate (max)	2.33 Gbit/s
Wi-Fi Direct	✔
MIMO	✔

Packaging content	
AC adapter included *	✘
Quick start guide	✔
Screen protector	✘
Car holder included	✘
Memory card included	✘
Headset included	✘
Stylus included	✘
SIM card ejector pin	✔
Protective case	✘

Specific absorption rate (SAR)	
Head SAR (EU)	0.61 W/kg
Body SAR (EU)	1.051 W/kg
Extremities SAR (EU)	2.03 W/kg

Other features	
Compatibility	Galaxy Ring, Galaxy Buds3 Pro, Galaxy Buds2 Pro, Galaxy Buds Pro, Galaxy Buds Live, Galaxy Buds+, Galaxy Buds3, Galaxy Buds2, Galaxy Buds, Galaxy Buds FE, Galaxy Fit3, Galaxy Fit2, Galaxy Fit e, Galaxy Fit, Galaxy Watch FE, Galaxy Watch Ultra, Galaxy Watch7, Galaxy Watch6, Galaxy Watch5, Galaxy Watch4, Galaxy Watch3, Galaxy Watch, Galaxy Watch Active2, Galaxy Watch Active

Technical details	
Security update term	31 March 2032

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Catalog Object Cloud

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Publication date: 01-NOV-2026. Prints or copies of Information are only valid on the printed Publication date