

Samsung Galaxy A56(SM-A566BZKAEEB)

Samsung A56 5G 128GB EE Awesome Graphite



The Samsung Galaxy A56 offers a combination of functionality and design, featuring a vibrant 6.7-inch Super AMOLED display with a resolution of 2340 x 1080 pixels. Its display boasts high brightness mode and a 120 Hz refresh rate, ensuring a smooth viewing experience. Experience performance with the Exynos 1580 processor and 8 GB of RAM, enabling seamless multitasking and efficient operation. The device runs on the Android OS with One UI 7, delivering an intuitive user experience enriched with convenient features.

Equipped with a robust 5000 mAh battery, the Galaxy A56 supports Samsung Super Fast Charging 2.0, allowing for quick power-ups with minimal downtime. The smartphone's camera system is impressive, featuring a 50-megapixel wide-angle rear camera alongside a 12-megapixel ultra-wide and a 5-megapixel macro lens, perfect for capturing photographs. With additional features such as IP67 water and dust resistance and 6 years of security updates, the device is built for durability and longevity, making it a reliable choice for smartphone users.

Key Selling Points

- 6.7-inch Super AMOLED display with 120 Hz refresh rate
- 5000 mAh battery with fast charging support
- Triple camera setup with 50-megapixel main lens
- Dust and water resistant with IP67 rating
- Dual-SIM capability with e-SIM support

Product Features

Vibrant display

The 6.7-inch Super AMOLED display features a resolution of 2340 x 1080 pixels, providing clarity and vibrant color representation for all viewing experiences.

Powerful performance

Powered by the Exynos 1580 processor and 8 GB of RAM, the Samsung Galaxy A56 supports fluid multitasking and efficient application performance.

Versatile camera system

The Galaxy A56 features a triple rear camera system, including a 50-megapixel main camera and additional ultra-wide and macro lenses, catering to various photography needs.

Long-lasting battery

With a 5000 mAh capacity, the battery ensures extended use and supports Samsung Super Fast Charging 2.0 for quick power replenishment.

Durable and secure

Certified with IP67 for water and dust resistance, and equipped with features like Samsung KNOX, this device emphasizes security and durability.

Main Specifications

Product Description	Samsung Galaxy A56 - Enterprise Edition - awesome graphite - 5G smartphone - 128 GB - GSM
Product Type	5G smartphone
Manufacturer Model Number	SM-A566B/DS
Display	OLED display - 2340 x 1080 pixels - 6.7" - (120 Hz) - Super AMOLED - Corning Gorilla Glass Victus+ (scratch resistant glass)
Processor	Samsung Exynos 1580 2.9 GHz (8-core)
Memory	RAM 8 GB / 128 GB
Operating System	Android 15 with One UI 7
Main Camera	50 Megapixel - wide-angle lens - f/1.8 - focus: automatic
Second Camera	12 Megapixel - ultra wide-angle lens - f/2.2
Third Camera	5 Megapixel - f/2.4 - macro camera
Front Camera	12 Megapixel f/2.2 - focus free

Service Provider	Not specified
SIM Card	Dual-SIM - nano SIM, Electronic SIM card (e-SIM)
Wireless Interface	NFC, Wi-Fi 6, Bluetooth
Connectors	USB-C
Protection	Water-resistant, dust-resistant
Colour	Awesome graphite
Dimensions (WxDxH)	77.5 mm x 7.4 mm x 162.2 mm
Weight	198 g
Repairability Index	8.4 (out of 10)
Specific Absorption Rate (SAR)	0.61 W/kg (head) 1.051 W/kg (body) 2.03 W/kg (limb)
Manufacturer Warranty	3-year warranty

Extended Specification

General

Product Type	Smartphone
Manufacturer Model Number	SM-A566B/DS
Form Factor	Touch
Protection	Water-resistant, dust-resistant
Width	77.5 mm
Depth	7.4 mm
Height	162.2 mm
Weight	198 g
Body Colour	Awesome graphite
Body Material	Corning Gorilla Glass Victus+

Memory

RAM	8 GB
Internal Memory Capacity	128 GB
User Memory	106.4 GB

Manufacturer Warranty

Service & Support	Limited warranty - 3 years
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Processor

Type	Samsung Exynos 1580
Clock Speed	2.9 GHz
Processor Core Qty	8-core

Miscellaneous

Compliant Standards	IP67, SGS Eye Care Display Certification, EAL 5+, Android Audio Streaming for Hearing Aid (ASHA)
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Environmental Parameters

Max Depth of Water Resistance	1 m
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Display

Type	OLED display
Technology	Super AMOLED
Diagonal Size	6.7"
Display Resolution	2340 x 1080 pixels

Display Format	Full HD+
Max Brightness	1200 cd/m ²
Colour Depth	16 million colours
Enhancement Technology	Vision Booster technology
Refresh Rate	120 Hz
Protection	Corning Gorilla Glass Victus+ (scratch resistant glass)
Features	High brightness mode

Battery

Capacity	5000 mAh
Fast Charging Technology	Samsung Super Fast Charging 2.0
Run Time Details	Playback (video): up to 29 hrs

Communications

Data Transmission	FDD-LTE, TDD-LTE, 5G NR FR1
2G Band	850 GSM, 900 GSM, 1800 GSM, 1900 GSM
3G UMTS Band	Band 1, Band 2, Band 4, Band 5, Band 8
3G UMTS Frequency	2100, 1900, 1700, 850, 900
4G LTE Band	Band 1, Band 2, Band 3, Band 4, Band 5, Band 7, Band 8, Band 12, Band 17, Band 20, Band 25, Band 26, Band 28, Band 32, Band 38, Band 40, Band 41, Band 66
4G LTE Frequency	FDD 2100, FDD 1900 PCS, FDD 1800+, FDD 1700 - 2110 AWS, FDD 850, FDD 2600, FDD 900, FDD 700a, FDD 700b, FDD 800 DD, FDD 1900+, FDD 850+, FDD 700 APT, FDD 1500 L, TDD 2600, TDD 2300, TDD 2500, FDD 1700 - 2110 AWS-3
5G NR Band	N1, n3, n5, n7, n8, n20, n28, n38, n40, n41, n66, n77, n78
5G NR Frequency	FDD 2100, FDD 1800, FDD 850, FDD 2600, FDD 900, FDD 800, FDD 700APT, TDD TD 2600, TDD 2300, TDD TD 2500, FDD AWS-3, TDD TD 3700, TDD TD 3500
Wireless Interface	NFC, IEEE 802.11a/b/g/n/ac/ax, Bluetooth 5.3

Connections

Connector Type	USB Type-C - 24 pin USB-C
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Phone Features

Additional Features	MIMO technology, Samsung Smart Switch, Virtual Proximity Sensing, Samsung Knox Vault, 6 generations of OS upgrades, 6 years of Security Updates, SmartThings Support, Circle to Search, cooling system with vapour chamber, Samsung KNOX, Samsung Knox Suite, 2 years guaranteed market availability and Knox Suite
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Cellular

Technology	WCDMA (UMTS) / GSM
Mobile Broadband Generation	5G
Service Provider	Not specified
Operating System	Android 15
User Interface	One UI 7
Navigation	GPS, GLONASS, BeiDou, Galileo, QZSS
SIM Card Type	Nano SIM, Electronic SIM card (e-SIM)
SIM Card Qty	Dual-SIM
Input Device	Multi-touch

Media Player

Supported Digital Audio Standards	WAV, AAC, AMR, MP3, FLAC, XMF, OGG, MIDI, M4A, MXMF, OGA, 3GA, AWB, IMY, RTTTL, RTX, OTA, MID
Supported Digital Video Standards	MKV, FLV, AVI, 3GP, M4V, WebM, 3G2, MP4

Front Camera

Sensor Resolution	12 Megapixel
Lens Aperture	F/2.2
Focus Adjustment	Focus free
HDR Mode	Super HDR
Camera Modes	Low noise mode

Main Camera

Sensor Resolution	50 Megapixel
Optical Image Stabiliser	Optical Image Stabiliser (OIS)
Lens Type	Wide-angle lens
Lens Aperture	F/1.8
Focus Adjustment	Automatic
Digital Zoom	10x
Camera Modes	Filters, Nightography, low noise mode, Motion Photos
Light Source	LED flash
Video Resolutions	Slo-mo video 1280 x 720 (720p) at 240 fps, 3840 x 2160 (4K) at 30 fps
Features	Edit Suggestion, object eraser, Best Face

Second Camera

Sensor Resolution	12 Megapixel
Lens Type	Ultra wide-angle lens
Lens Aperture	F/2.2

Third Camera

Sensor Resolution	5 Megapixel
Lens Aperture	F/2.4
Functions	Macro camera

Sustainability Information

Repairability Index	8.4 (out of 10)
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