

## Samsung Galaxy A16 5G(SM-A166BZADEUB)

**Samsung Galaxy A16 5G - 5G smartphone - dual-SIM - RAM 4 GB / Internal Memory 128 GB - microSD slot - OLED display - 6.7" - 2340 x 1080 pixels (90 Hz) - 3x rear cameras 50 MP, 5 MP, 2 MP - front camera 13 MP - light grey**



The Samsung Galaxy A16 5G combines performance and versatile functionality in a sleek design. Powered by an 8-core Exynos 1330 processor with a clock speed of 2.4 GHz, this smartphone ensures smooth multitasking and efficient operation. With a 6.7-inch Full HD+ Super AMOLED display featuring a resolution of 2340 x 1080 pixels and a refresh rate of 90 Hz, visuals are vibrant and fluid, making it suitable for gaming and streaming. Capture stunning photos with a versatile camera system that includes a 50 megapixel main lens, a 5 megapixel ultra-wide camera, and a 2 megapixel macro lens. The front 13 megapixel camera allows for high-quality selfies. Additionally, the device is equipped with a 5000 mAh battery and Samsung Super Fast Charging technology, supporting the demands of daily use. With support for 5G connectivity and a dual-SIM setup, the Samsung Galaxy A16 5G is designed to keep users connected at all times.

## Key Selling Points

- 5000 mAh battery with Samsung Super Fast Charging support
- 6.7-inch Full HD+ Super AMOLED display with 90 Hz refresh rate
- Versatile camera system with three rear cameras and advanced features
- 5G connectivity and dual-SIM capability for enhanced communication
- Robust security features including fingerprint reader and face recognition

## Product Features

### Powerful performance

Equipped with an Exynos 1330 processor, the Samsung Galaxy A16 5G delivers swift performance with its 8-core architecture, allowing for seamless multitasking and smooth operation across applications.

### Stunning visuals

The 6.7-inch OLED display offers a vivid viewing experience with a resolution of 2340 x 1080 pixels and a pixel density of 387 PPI, ensuring content looks crisp and vibrant.

### Advanced camera system

Featuring a 50 megapixel main camera, a 5 megapixel ultra-wide lens, and a 2 megapixel macro lens, the camera system allows for diverse photography options, catering to various styles and situations.

### Long-lasting battery life

The 5000 mAh battery ensures that the device supports daily usage without frequent charging, combined with fast charging capabilities to quickly replenish power when needed.

### Enhanced security features

Offers robust security options with a side-mounted fingerprint reader and facial recognition technology, ensuring that personal data remains protected.

## Main Specifications

Product Description	Samsung Galaxy A16 5G - light grey - 5G smartphone - 128 GB - GSM
Product Type	5G smartphone
Manufacturer Model Number	SM-A166B/DS
Display	OLED display - 2340 x 1080 pixels - 6.7" - 387 ppi - (90 Hz) - Super AMOLED
Processor	Samsung Exynos 1330 2.4 GHz (8-core)
Memory	RAM 4 GB / 128 GB
Supported Memory Card	microSDXC slot - up to 1.5 TB
Operating System	Android 14 with One UI 6.1
Main Camera	50 Megapixel - f/1.8 - focus: automatic
Second Camera	5 Megapixel - ultra wide-angle lens - f/2.2

Third Camera	2 Megapixel - f/2.4 - macro camera
Front Camera	13 Megapixel f/2.0 - focus free
Service Provider	Not specified
SIM Card	Dual-SIM - nano SIM
Wireless Interface	NFC, Wi-Fi 5, Bluetooth
Security Devices	Fingerprint reader (side), face recognition
Connectors	USB-C
Protection	Dust-resistant, water-resistant
Colour	Light grey
Dimensions (WxDxH)	77.9 mm x 7.9 mm x 164.4 mm
Weight	200 g
Repairability Index	8.4 (out of 10)
Specific Absorption Rate (SAR)	0.381 W/kg (head) † 0.943 W/kg (body) † 2.14 W/kg (limb)
Manufacturer Warranty	2-year warranty

## Extended Specification

### General

Product Type	Smartphone
Manufacturer Model Number	SM-A166B/DS
Form Factor	Touch
Protection	Dust-resistant, water-resistant
Width	77.9 mm
Depth	7.9 mm
Height	164.4 mm
Weight	200 g
Body Colour	Light grey

### Memory

RAM	4 GB
Internal Memory Capacity	128 GB
User Memory	109.3 GB
Supported Flash Memory Cards	microSDHC, microSD, microSDXC - up to 1.5 TB

### Manufacturer Warranty

Service & Support	Limited warranty - 2 years
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### Processor

Type	Samsung Exynos 1330
Clock Speed	2.4 GHz
Processor Core Qty	8-core

### Miscellaneous

Compliant Standards	Android Audio Streaming for Hearing Aid (ASHA), IP54
Included Accessories	SIM card removal tool, USB-C to USB-C cable

### Display

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

Display Format	Full HD+
Pixel Density	387 ppi
Max Brightness	800 cd/m <sup>2</sup>
Colour Depth	16 million colours
Refresh Rate	90 Hz
Features	Infinity U Display

### Battery

Capacity	5000 mAh
Fast Charging Technology	Samsung Super Fast Charging
Run Time Details	Active online usage (4G): up to 15 hrs † Active online usage (Wi-Fi): up to 16 hrs † Playback (wireless video): up to 18 hrs † Playback (wireless audio): up to 79 hrs

### Communications

Data Transmission	5G NR FR1, FDD-LTE, TDD-LTE
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 28, 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 700 APT, TDD 2600, TDD 2300, TDD 2500, FDD 1700 - 2110 AWS-3
5G NR Band	N1, n3, n7, n8, n20, n28, n38, n40, n41, n77, n78
5G NR Frequency	FDD 2100, FDD 1800, FDD 2600, FDD 900, FDD 800, FDD 700APT, TDD TD 2600, TDD 2300, TDD TD 2500, TDD TD 3700, TDD TD 3500
Wireless Interface	NFC, IEEE 802.11a/b/g/n/ac, Bluetooth 5.3

### Connections

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

Sensors	Accelerometer, light sensor, geomagnetic sensor, gyro sensor
Security Devices	Fingerprint reader (side), face recognition
Additional Features	6 years of Security Updates, 6 generations of OS upgrades, Samsung Knox Vault, Samsung Smart Switch, Quick Share, Virtual Proximity Sensing, SmartThings Support

### Cellular

Technology	WCDMA (UMTS) / GSM
Mobile Broadband Generation	5G
Service Provider	Not specified
Operating System	Android 14
User Interface	One UI 6.1
Navigation	GPS, GLONASS, BeiDou, Galileo, QZSS
SIM Card Type	Nano SIM
SIM Card Qty	Dual-SIM
SIM Card Configuration Details	Nano SIM + nano SIM/microSD
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
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Supported Digital Video Standards	MKV, FLV, AVI, 3GP, M4V, WebM, 3G2, MP4
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Sound Enhancements	Dolby Atmos sound technology
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#### Front Camera

Sensor Resolution	13 Megapixel
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Lens Aperture	F/2.0
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Focus Adjustment	Focus free
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#### Main Camera

Sensor Resolution	50 Megapixel
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Lens Aperture	F/1.8
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Focus Adjustment	Automatic
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Digital Zoom	10x
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Camera Modes	Macro mode, night mode, Pro mode, AR lens, Panorama, Food, Portrait, Slow motion mode
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Light Source	LED flash
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Video Resolutions	1920 x 1080 (1080p) at 30 fps, Slo-mo video 1280 x 720 (720p) at 120 fps
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Features	Scene Optimiser
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#### Second Camera

Sensor Resolution	5 Megapixel
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Lens Type	Ultra wide-angle lens
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Lens Aperture	F/2.2
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#### Third Camera

Sensor Resolution	2 Megapixel
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Lens Aperture	F/2.4
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Functions	Macro camera
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#### Sustainability Information

Repairability Index	8.4 (out of 10)
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