

Samsung Galaxy A16(SM-A165FZABEUB)

Samsung Galaxy A16 - 4G 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 - grey



The Samsung Galaxy A16 combines advanced features with a sleek design, making it an ideal choice for users seeking reliability and performance. Powered by a robust 5000 mAh lithium-ion battery, it supports Samsung Super Fast Charging, allowing the device to recharge quickly within 85 minutes. The large 6.7-inch Super AMOLED display with Full HD+ resolution of 2340 x 1080 pixels ensures vibrant visuals, while the 90 Hz refresh rate enhances the viewing experience for gaming and streaming. This smartphone features a powerful MediaTek Helio G99 processor, 4 GB of RAM, and 128 GB of internal memory, expandable with microSD cards. Equipped with a versatile camera system, including a 50-megapixel main camera, a 5-megapixel ultra-wide-angle lens, and a 2-megapixel macro camera, it offers various shooting modes and functionalities like Optical Image Stabilization. With Samsung's One UI Core 6.1, this device provides a user-friendly interface alongside essential security features like fingerprint recognition and Samsung Knox Vault.

Key Selling Points

- 5000 mAh battery with Samsung Super Fast Charging
- 6.7-inch Full HD+ Super AMOLED display
- Versatile triple rear camera system with OIS
- 4G LTE connectivity with dual-SIM support
- Expandable storage up to 1 TB via microSD

Product Features

Impressive display technology

Featuring a 6.7-inch Super AMOLED display, the Samsung Galaxy A16 delivers stunning visuals with a resolution of 2340 x 1080 pixels, ensuring vibrant colors and deep contrasts for an enhanced viewing experience.

Powerful battery performance

The 5000 mAh lithium-ion battery supports extended usage and quick recharging with Samsung Super Fast Charging technology, allowing users to spend less time plugged in and more time utilizing their device.

Versatile camera capabilities

Equipped with a 50-megapixel main camera along with ultra-wide and macro lenses, this smartphone supports various shooting modes including night mode and panorama, enabling users to capture stunning photos in different environments.

Secure and efficient software

Running on Android with One UI Core 6.1, the device provides an intuitive interface and comes with security features like Samsung Knox Vault to ensure user data is protected.

Connectivity and compatibility

Supports a variety of wireless technologies such as Bluetooth 5.3, NFC, and dual-SIM functionality, ensuring users stay connected and communicate seamlessly across different networks.

Main Specifications

Product Description	Samsung Galaxy A16 - grey - 4G smartphone - 128 GB - GSM
Product Type	4G smartphone
Manufacturer Model Number	SM-A165F/DSB
Display	OLED display - 2340 x 1080 pixels - 6.7" - 387 ppi - (90 Hz) - 19.5:9 - Super AMOLED - AGS Asahi Glass, Dragontrail PRO (scratch resistant glass)
Processor	MediaTek Helio G99 MT6789V/CD / 2.2 GHz (8-core)
Graphics Accelerator	ARM Mali-G68 MP2
Memory	RAM 4 GB / 128 GB
Supported Memory Card	microSDXC slot - up to 1.5 TB
Operating System	Android 14 with One UI Core 6.1

Main Camera	50 Megapixel - wide-angle lens - 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	Grey
Dimensions (WxDxH)	77.9 mm x 7.9 mm x 164.4 mm
Weight	200 g
Repairability Index	8.3 (out of 10)
Specific Absorption Rate (SAR)	0.312 W/kg (head) † 1.083 W/kg (body) † 2.82 W/kg (limb)
Manufacturer Warranty	2-year warranty

Extended Specification

General

Product Type	Smartphone
Manufacturer Model Number	SM-A165F/DSB
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	Grey

Memory

RAM	4 GB
Internal Memory Capacity	128 GB
User Memory	105.1 GB
Memory Interface	UFS
Supported Flash Memory Cards	microSDHC, microSD, microSDXC - up to 1.5 TB

Manufacturer Warranty

Service & Support	Limited warranty - 2 years
Regional Warranty Exceptions	Spain - 3 years

Processor

Type	MediaTek Helio G99
Processor Number	MT6789V/CD
Clock Speed	2.2 GHz
Processor Core Qty	8-core

Miscellaneous

Compliant Standards	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
Aspect Ratio	19.5:9
Max Brightness	420 cd/m ²
Colour Depth	16 million colours
Refresh Rate	90 Hz
Touch Sampling Rate	180 Hz
Contrast Ratio	1000000:1
Protection	AGS Asahi Glass, Dragontrail PRO (scratch resistant glass)

Battery

Technology	Lithium Ion
Capacity	5000 mAh
Fast Charging Technology	Samsung Super Fast Charging
Run Time Details	Active online usage (4G): up to 19 hrs ↓ Active online usage (Wi-Fi): up to 18 hrs ↓ Playback (wireless video): up to 18 hrs ↓ Playback (wireless audio): up to 74 hrs
Recharge Time	85 min

Communications

Data Transmission	FDD-LTE, TDD-LTE, VoLTE, VoWiFi
2G Band	850 GSM, 900 GSM, 1800 GSM, 1900 GSM
3G UMTS Band	Band 1, Band 5, Band 8
3G UMTS Frequency	2100, 850, 900
4G LTE Band	Band 1, Band 3, Band 5, Band 7, Band 8, Band 20, Band 28, Band 38, Band 40, Band 41
4G LTE Frequency	FDD 2100, FDD 1800+, FDD 850, FDD 2600, FDD 900, FDD 800 DD, FDD 700 APT, TDD 2600, TDD 2300, TDD 2500
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, Secure Folder function, Samsung Seamless Codec

Dimensions & Weight (Shipping)

Shipping Width	82.7 mm
Shipping Depth	28 mm
Shipping Height	169.8 mm
Shipping Weight	311 g

Cellular

Technology	WCDMA (UMTS) / GSM
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Mobile Broadband Generation	4G
Service Provider	Not specified
Operating System	Android 14
User Interface	One UI Core 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
Payment Technology	Samsung Pay
Input Device	Multi-touch

Graphics System

Graphics Accelerator	ARM Mali-G68 MP2
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Media Player

Supported Digital Audio Standards	WAV, AAC, AMR, MP3, FLAC, XMF, OGG, MIDI, M4A, MXMF, OGA, 3GA, AWB, IMY, RTTTL, RTX, OTA, MID, apt-X, LDAC, SBC
Supported Digital Video Standards	MKV, FLV, AVI, 3GP, M4V, WebM, 3G2, MP4
Sound Enhancements	Dolby Atmos sound technology

Front Camera

Sensor Resolution	13 Megapixel
Lens Aperture	F/2.0
Focus Adjustment	Focus free
Video Resolutions	1920 x 1080 (1080p) at 30 fps

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	Macro mode, night mode, Pro mode, AR lens, Panorama, Food, Portrait, Slow motion mode, HYPERLAPSE
Light Source	LED flash
Video Resolutions	1920 x 1080 (1080p) at 30 fps

Second Camera

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

Third Camera

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

Sustainability Information

Repairability Index	8.3 (out of 10)
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