

Samsung Galaxy A55 5G 256GB Iceblue(SM-A556BLBCEUB)
Samsung Galaxy A55 5G 256GB Awesome Iceblue



Main Specifications

Product Description	Samsung Galaxy A55 - awesome ice blue - 5G smartphone - 256 GB - GSM
Product Type	5G smartphone
Manufacturer Model Number	SM-A556B/DS
Display	OLED display - 2340 x 1080 pixels - 6.6" - (120 Hz) - Super AMOLED - Corning Gorilla Glass Victus+ (scratch resistant glass)
Processor	2.75 GHz (8-core)
Memory	RAM 8 GB / 256 GB
Supported Memory Card	microSDXC slot - up to 1 TB
Operating System	Android 14 with One UI 6.1
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	32 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
Security Devices	Fingerprint reader
Connectors	USB-C
Standby Time	Up to 48 hours
Protection	Water-resistant, dust-resistant
Colour	Awesome ice blue
Dimensions (WxDxH)	77.4 mm x 8.2 mm x 161.1 mm
Weight	213 g
Repairability Index	8.5 (out of 10)
Specific Absorption Rate (SAR)	0.684 W/kg (head) 1.037 W/kg (body) 2.19 W/kg (limb)
Manufacturer Warranty	2-year warranty

Extended Specification

General

Product Type	Smartphone
Manufacturer Model Number	SM-A556B/DS
Form Factor	Touch
Protection	Water-resistant, dust-resistant

Width	77.4 mm
Depth	8.2 mm
Height	161.1 mm
Weight	213 g
Body Colour	Awesome ice blue

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, Electronic SIM card (e-SIM)
SIM Card Qty	Dual-SIM
SIM Card Configuration Details	Nano SIM + nano SIM/microSD
Input Device	Multi-touch

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, n41, n66, n77, n78, n40
5G NR Frequency	FDD 2100, FDD 1800, FDD 850, FDD 2600, FDD 900, FDD 800, FDD 700APT, TDD TD 2600, TDD TD 2500, FDD AWS-3, TDD TD 3700, TDD TD 3500, TDD 2300
Wireless Interface	NFC, IEEE 802.11a/b/g/n/ac/ax, Bluetooth 5.3

Phone Features

Sensors	Accelerometer, gyro sensor, hall sensor, geomagnetic sensor, light sensor
Security Devices	Fingerprint reader
Additional Features	MIMO technology, Samsung Smart Switch, Virtual Proximity Sensing, Samsung Knox Vault, 5 years of Security Updates, SmartThings Support, 4 generations of OS upgrades

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

Processor

Clock Speed	2.75 GHz
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Processor Core Qty	8-core
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Memory

RAM	8 GB
Internal Memory Capacity	256 GB
User Memory	235.5 GB
Supported Flash Memory Cards	microSDHC, microSD, microSDXC - up to 1 TB

Front Camera

Sensor Resolution	32 Megapixel
Lens Aperture	F/2.2
Focus Adjustment	Focus free
Camera Modes	Portrait 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	Nightography
HDR Mode	Super HDR
Light Source	LED flash
Video Resolutions	Slo-mo video 1280 x 720 (720p) at 240 fps, 3840 x 2160 (4K) at 30 fps
Features	vDIS technology, Edit Suggestion, Image Clipper

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

Display

Type	OLED display
Technology	Super AMOLED
Diagonal Size	6.6"
Display Resolution	2340 x 1080 pixels
Display Format	Full HD+
Max Brightness	1000 cd/m ²

Colour Depth	16.7 million colours
Enhancement Technology	Vision Booster technology
Refresh Rate	120 Hz
Protection	Corning Gorilla Glass Victus+ (scratch resistant glass)
Features	Infinity O display, High brightness mode

Connections

Connector Type	USB Type-C - 24 pin USB-C
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Battery

Capacity	5000 mAh
Standby Time	48 hours
Run Time Details	Active online usage (LTE):up to 25 hrs Active online usage (Wi-Fi):up to 24 hrs Playback (wireless video):up to 28 hrs Playback (wireless audio):up to 79 hrs Standby:up to 48 hrs

Miscellaneous

Compliant Standards	IP67, Common Criteria EAL5+, SGS Eye Care Display Certification
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Manufacturer Warranty

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

Sustainability Information

Repairability Index	8.5 (out of 10)
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Environmental Parameters

Max Depth of Water Resistance	1 m
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