

Samsung S24 5G 128GB EE Onyx Black(SM-S921BZKDEEB)
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Key Selling Points

Epic, just like that
Embrace every curve
Circle it, find it
Goodbye, language barriers
Put your best text forward
Epic for business, just like that
Mega megapixels
Bring your night into the light
Get closer with every tap
Don't miss the moment with enhanced zoom
Super HDR previews, enhanced before you even snap
Resize it, retouch it, just like that
Game on with a larger Vapor Chamber
Go bigger, go brighter
Must-haves at your fingertips
A smarter all-day battery
Quick Share
Secured by Knox

Product Features

Epic, just like that

Imagine the videos you'll shoot, the pics you'll edit and the connections you make, all elevated to new heights with mobile AI.

Embrace every curve

With its unified design and satin finish, Galaxy S24 feels as smooth as it looks.

Circle it, find it

Search like never before with Circle to Search. Simply circle an object to get Google Search results.

Goodbye, language barriers

Get real-time language translations on calls or in texts with Live Translate.

Put your best text forward

Get real-time tone suggestions to make your writing sound more professional or conversational.

Epic for business, just like that

Elevate your work with the most epic Galaxy yet, featuring the game-changing power of Galaxy AI. From researching on the spot to capturing every detail of your projects day or night, unleash new ways to stay productive, collaborate and more.

Mega megapixels

Snap high-res pics that will look great for years to come, captured with a 50MP multi-camera system where each lens is a powerhouse.

Bring your night into the light

Capture the nighttime portraits you've been dreaming of with Nightography. Zoom in up to 3x and retain detail and vibrancy, even in low light.

Get closer with every tap

Go from 1x to 2x or even 3x. AI keeps pictures crisp, clear and super sharp.

Don't miss the moment with enhanced zoom

Capture stunning shots with vivid detail as though you have the best seats in the house.

Super HDR previews, enhanced before you even snap

With the Super HDR upgrade, you can capture vivid shots the way you see them, from preview to posting. It even works when you shoot with Instagram.

Resize it, retouch it, just like that

Unlock the magic of AI-powered photo editing. Generative Edit fills in backgrounds and makes unwanted objects disappear.

Game on with a larger Vapor Chamber

The Vapor Chamber is bigger than before, with an improved heat dissipation system to keep you gaming at peak performance.

Go bigger, go brighter

The 6.2" FHD+ display on Galaxy S24 offers more screen real estate than ever before. Enjoy optimal color and contrast with Vision Booster, even on bright days.

Must-haves at your fingertips

Customize your daily experience with widgets on your lock screen and Always On Display. From important reminders to your local air quality, get the info you need at a glance.

A smarter all-day battery

Power on. Galaxy S24 has an intelligent battery that gives you more game time, watch time and you time.

Quick Share

Share with iOS users or far-away friends and family.

Secured by Knox

Rest easier with mobile protection fortified by Knox and multi-device security. Your data, privacy and peace of mind are the top priority.

Main Specifications

Product Description	Samsung Galaxy S24 - Enterprise Edition - onyx black - 5G smartphone - 128 GB - GSM
Product Type	5G smartphone
Manufacturer Model Number	SM-S921B/DS
Display	OLED display - 2340 x 1080 pixels - 6.2" - 418 ppi - (120 Hz) - Infinity-O Dynamic AMOLED 2X - HDR - Corning Gorilla Glass Victus 2 (scratch resistant glass)
Processor	Samsung Exynos 2400 for Galaxy 3.2 GHz (10-core)
Memory	RAM 8 GB / 128 GB
Operating System	Android 14 with Samsung 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	10 Megapixel - telephoto lens - 3x optical zoom - f/2.4
Front Camera	12 Megapixel f/2.2 - automatic
Service Provider	Not specified
SIM Card	Dual-SIM - nano SIM, Electronic SIM card (e-SIM)
Wireless Interface	NFC, Wi-Fi 6, Wi-Fi 6E, Bluetooth
Security Devices	Fingerprint reader (under display), face recognition
Connectors	USB-C
Wireless Charging Standards	WPC, Qi, Fast Wireless Charging 2.0, Wireless PowerShare
Protection	Dustproof, splashproof, water-resistant
Colour	Onyx black
Dimensions (WxDxH)	70.6 mm x 7.6 mm x 147 mm
Weight	167 g
Repairability Index	8.5 (out of 10)
Specific Absorption Rate (SAR)	0.869 W/kg (head) † 1.35 W/kg (body) † 2.13 W/kg (limb)

Extended Specification

General

Product Type	Smartphone
Manufacturer Model Number	SM-S921B/DS
Form Factor	Touch

Protection	Dustproof, splashproof, water-resistant
Width	70.6 mm
Depth	7.6 mm
Height	147 mm
Weight	167 g
Body Colour	Onyx black
Body Material	Armour Aluminium frame, Corning Gorilla Glass Victus 2

Cellular

Technology	WCDMA (UMTS) / GSM
Mobile Broadband Generation	5G
Service Provider	Not specified
Operating System	Android 14
User Interface	Samsung 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
Payment Technology	Samsung Pay
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 13, Band 17, Band 18, Band 19, Band 20, Band 25, Band 26, Band 28, Band 32, Band 38, Band 39, 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 700c, FDD 700b, FDD 800 lower, FDD 800 upper, FDD 800 DD, FDD 1900+, FDD 850+, FDD 700 APT, FDD 1500 L, TDD 2600, TDD 1900, TDD 2300, TDD 2500, FDD 1700 - 2110 AWS-3
5G NR Band	N1, n2, n3, n5, n7, n8, n20, n28, n38, n41, n66, n75, n77, n78, n40, n25, n12, n26
5G NR Frequency	FDD 2100, FDD 1900PCS, FDD 1800, FDD 850, FDD 2600, FDD 900, FDD 800, FDD 700APT, TDD TD 2600, TDD TD 2500, FDD AWS-3, SDL DL 1500+, TDD TD 3700, TDD TD 3500, TDD 2300, FDD 1900, n12, FDD 850
Wireless Interface	NFC, IEEE 802.11a/b/g/n/ac/ax, Wi-Fi 6E, Bluetooth 5.3

Phone Features

Sensors	Accelerometer, proximity sensor, barometer, gyro sensor, hall sensor, geomagnetic sensor, light sensor
Security Devices	Fingerprint reader (under display), face recognition
Additional Features	MIMO technology, Samsung KNOX, Samsung DeX support, Samsung Smart Switch, dual stereo speakers, Samsung Knox Vault, 5 years of Security Maintenance Release, cooling system with vapour chamber, Live Translate, Samsung Wallet, Samsung Knox Suite, Galaxy AI, Circle to Search, Note Assist, Photo Assist, Samsung Knox Matrix

Media Player

Supported Digital Audio Standards	WAV, AAC, AMR, MP3, FLAC, XMF, OGG, MIDI, APE (Monkey's Audio), M4A, DSF, MXMF, OGA, 3GA, AWB, IMY, RTTTL, RTX, OTA, DFF, MID
Supported Digital Video Standards	MKV, FLV, AVI, 3GP, M4V, WebM, 3G2, MP4
Sound Enhancements	Dolby Atmos sound technology

Processor

Type	Samsung Exynos 2400 for Galaxy
Clock Speed	3.2 GHz
Processor Core Qty	10-core

Memory

RAM	LPDDR5 SDRAM - 8 GB
Internal Memory Capacity	128 GB
User Memory	103.9 GB

Front Camera

Sensor Resolution	12 Megapixel
Lens Aperture	F/2.2
Focus Adjustment	Automatic
Field of View (FoV)	80 degree(s)
Video Resolutions	3840 x 2160 (4K) at 60 fps
Light Source	Display flash
Features	Palm shutter

Main Camera

Sensor Resolution	50 Megapixel
Optical Image Stabiliser	Optical Image Stabiliser (OIS)
Lens Type	Wide-angle lens
Lens Aperture	F/1.8
Field of View (FoV)	85 degree(s)
Focus Adjustment	Automatic
Digital Zoom	30x
Special Effects	HDR
Camera Modes	Panorama, Slow motion mode, Pro mode, HYPERLAPSE, Food, Portrait, Night, Single Take, Pro Video, Portrait video, Dual Record, Nightography
HDR Mode	Super HDR
Light Source	LED flash
Video Resolutions	1920 x 1080 (1080p) at 60 fps, 3840 x 2160 (4K) at 60 fps, Slo-mo video 1920 x 1080 (1080p) at 240 fps, Slo-mo video 3840 x 2160 (4K) at 120 fps, 7680 x 4320 (UHD 8K) at 30fps
Features	Quick Launch, Dual Pixel technology, Scene Optimiser, HDR10+ recording, Space Zoom, AR Doodle, Auto framing, Dual Tele Zoom System, AI Zoom, Generative Edit, Edit Suggestion

Second Camera

Sensor Resolution	12 Megapixel
Lens Type	Ultra wide-angle lens
Lens Aperture	F/2.2
Field of View (FoV)	120 degree(s)

Third Camera

Sensor Resolution	10 Megapixel
Optical Zoom	3x
Lens Type	Telephoto lens
Lens Aperture	F/2.4
Field of View (FoV)	36 degree(s)

Display

Type	OLED display
Technology	Infinity-O Dynamic AMOLED 2X
Diagonal Size	6.2"
Display Resolution	2340 x 1080 pixels
Display Format	Full HD+
Pixel Density	418 ppi
Max Brightness	2600 cd/m ²
Colour Depth	16.7 million colours
HDR	Yes
HDR Technology	HDR10+
Enhancement Technology	Vision Booster technology
Refresh Rate	120 Hz
Protection	Corning Gorilla Glass Victus 2 (scratch resistant glass)
Features	AOD(Always On Display), 100% DCI-P3, 1-120Hz adaptive refresh rate

Connections

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

Capacity	4000 mAh
Wireless Charging	Yes
Wireless Charging Standards	WPC, Qi, Fast Wireless Charging 2.0, Wireless PowerShare
Run Time Details	Active online usage (LTE):up to 25 hrs Active online usage (Wi-Fi):up to 25 hrs Playback (wireless video):up to 29 hrs Playback (wireless audio):up to 78 hrs

Miscellaneous

Compliant Standards	VDE, IP68, USB 3.2 Gen 1, Android Audio Streaming for Hearing Aid (ASHA)
Included Accessories	SIM card removal tool, USB-C to USB-C cable

Sustainability Information

Repairability Index

8.5 (out of 10)

Environmental Parameters

Max Depth of Water Resistance

1.5 m

*TD SYNEX is not responsible for errors in the documentation of products.