

Samsung S24 Ultra 5G 256GB Titan Black(SM-S928BZKGEUB)
Samsung Galaxy S24 Ultra 5G 256GB Titanium Black



Key Selling Points

Epic, just like that
Sleek, strong, stunning
Armor up with titanium
Never be lost in translation
Find the right words fast
Summarize in the blink of AI
Capture details that rival reality with 200MP
Zoom into the dark with Nightography
AI from preview to post
Resize it, retouch it - just like that

Product Features

Epic, just like that

Unleash great ways to create, connect and more. The era of mobile AI is here.

Sleek, strong, stunning

Titanium - the next step in tough. Experience S24 Ultra through a 6.8" flat display with embedded S Pen.

Armor up with titanium

Check out the upgrade - a sturdy shield of titanium built right into the frame.

Never be lost in translation

Break down language barriers over the phone or texting with Live Translate.

Find the right words fast

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

Summarize in the blink of AI

Note Assist makes a long story short. Simply start writing and AI formats your notes into a clear, easy-to-review summary.

Capture details that rival reality with 200MP

Meet the industry standard for camera quality, with the most megapixels available on a smartphone. ProVisual engine improves color tone and brings out detail in every photo.

Zoom into the dark with Nightography

With 1.6x larger pixels and a wider Tele OIS, Space Zoom makes even distant, low-light subjects clearly stunning in both photos and videos.

AI from preview to post

With Super HDR upgrade and an AI assist, instantly see what your super-vivid pics and videos will look like before you take them. It even works when you're shooting within social media apps.

Resize it, retouch it - just like that

AI editing capabilities help you get the exact photo you want, relocating objects and intelligently filling in empty spaces.

Main Specifications

Product Description	Samsung Galaxy S24 Ultra - titanium black - 5G smartphone - 256 GB - GSM
Product Type	5G smartphone
Manufacturer Model Number	SM-S928B/DS
Display	OLED display - 3120 x 1440 pixels - 6.8" - (120 Hz) - Dynamic AMOLED 2X - Corning Gorilla Glass Armor (scratch resistant glass)

Processor	Qualcomm Snapdragon 8 Gen 3 for Galaxy 3.39 GHz (8-core)
Memory	RAM 12 GB / 256 GB
Operating System	Android 14 with Samsung One UI 6.1
Main Camera	200 Megapixel - wide-angle lens - f/1.7 - focus: automatic
Second Camera	50 Megapixel - telephoto lens - 5x optical zoom - f/3.4
Third Camera	12 Megapixel - ultra wide-angle lens - f/2.2
Fourth 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, UWB, Bluetooth, Wi-Fi 7, Wi-Fi 7
Security Devices	Fingerprint reader
Connectors	USB-C
Wireless Charging Standards	WPC, Qi, Fast Wireless Charging 2.0, Wireless PowerShare
Protection	Dustproof, splashproof, water-resistant
Colour	Titanium black
Dimensions (WxDxH)	79 mm x 8.6 mm x 162.3 mm
Weight	232 g
Repairability Index	8.5 (out of 10)
Specific Absorption Rate (SAR)	1.056 W/kg (head) † 1.3 W/kg (body) † 2.4 W/kg (limb)

Extended Specification

General

Product Type	Smartphone
Manufacturer Model Number	SM-S928B/DS
Form Factor	Touch
Protection	Dustproof, splashproof, water-resistant
Width	79 mm
Depth	8.6 mm
Height	162.3 mm
Weight	232 g
Body Colour	Titanium black
Body Material	Titanium frame

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
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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, Ultra-Wideband (UWB), Bluetooth 5.3, IEEE 802.11a/b/g/n/ac/ax/be, Wi-Fi 7

Phone Features

Sensors	Accelerometer, proximity sensor, barometer, gyro sensor, hall sensor, geomagnetic sensor, light sensor
Security Devices	Fingerprint reader
Additional Features	Speech-to-Text (speech recognition), MIMO technology, Samsung KNOX, Samsung DeX support, Samsung Smart Switch, Samsung Knox Vault, Private Share function, cooling system with vapour chamber, Live Translate, Samsung Wallet, 7 years of Security Updates, Galaxy AI, Circle to Search, Note Assist, Samsung Knox Matrix, Interpreter, Chat Assist, Transcript Assist, 7 generations of OS upgrades, Passkeys, Security & Privacy Dashboard, Secure Wi-Fi, Maintenance Mode, Samsung Health, Samsung Care+, SmartThings Support

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

Processor

Type	Qualcomm Snapdragon 8 Gen 3 for Galaxy
Clock Speed	3.39 GHz
Processor Core Qty	8-core

Memory

RAM	12 GB
Internal Memory Capacity	256 GB
User Memory	229 GB

Front Camera

Sensor Resolution	12 Megapixel
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Lens Aperture	F/2.2
Focus Adjustment	Automatic
Field of View (FoV)	80 degree(s)

Main Camera

Sensor Resolution	200 Megapixel
Optical Image Stabiliser	Optical Image Stabiliser (OIS)
Lens Type	Wide-angle lens
Lens Aperture	F/1.7
Field of View (FoV)	85 degree(s)
Pixel Size	1.4 µm
Focus Adjustment	Automatic
Camera Modes	Nightography
HDR Mode	Super HDR
Light Source	LED flash
Video Resolutions	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	AI Zoom, Generative Edit, Edit Suggestion, ProVisual Engine, Photo Assist, 2x Optical Quality Zoom, Quad Tele Zoom System, Adaptive Pixel Sensor, Instant Slow-mo

Second Camera

Sensor Resolution	50 Megapixel
Optical Zoom	5x
Optical Image Stabiliser	Optical Image Stabiliser (OIS)
Lens Type	Telephoto lens
Lens Aperture	F/3.4
Field of View (FoV)	22 degree(s)
Features	10x Optical Quality Zoom, 100X Space Zoom, Super Resolution technology

Third Camera

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

Fourth Camera

Sensor Resolution	10 Megapixel
Optical Zoom	3x
Optical Image Stabiliser	Optical Image Stabiliser (OIS)
Lens Type	Telephoto lens
Lens Aperture	F/2.4
Field of View (FoV)	36 degree(s)
Features	30x Space Zoom, Super Resolution technology

Display

Type	OLED display
Technology	Dynamic AMOLED 2X
Diagonal Size	6.8"
Display Resolution	3120 x 1440 pixels
Display Format	QHD+
Max Brightness	2600 cd/m ²
Colour Depth	16.7 million colours
Enhancement Technology	Vision Booster technology
Refresh Rate	120 Hz
Contrast Ratio	5000000:1
Protection	Corning Gorilla Glass Armor (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	5000 mAh
Fast Charging Technology	Power Delivery
Wireless Charging	Yes
Wireless Charging Standards	WPC, Qi, Fast Wireless Charging 2.0, Wireless PowerShare
Run Time Details	Active online usage (LTE):up to 27 hrs Active online usage (Wi-Fi):up to 28 hrs Playback (wireless video):up to 30 hrs Playback (wireless audio):up to 95 hrs

Miscellaneous

Compliant Standards	VDE, IP68, EcoLogo, IEC 61960, Carbon Trust, Android Audio Streaming for Hearing Aid (ASHA)
Included Accessories	SIM card removal tool, S Pen, USB-C to USB-C cable

Sustainability Information

Repairability Index	8.5 (out of 10)
Packaging Recycled Content	100 % - recycled paper

Environmental Parameters

Max Depth of Water Resistance	1.5 m
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*TD SYNEX is not responsible for errors in the documentation of products.