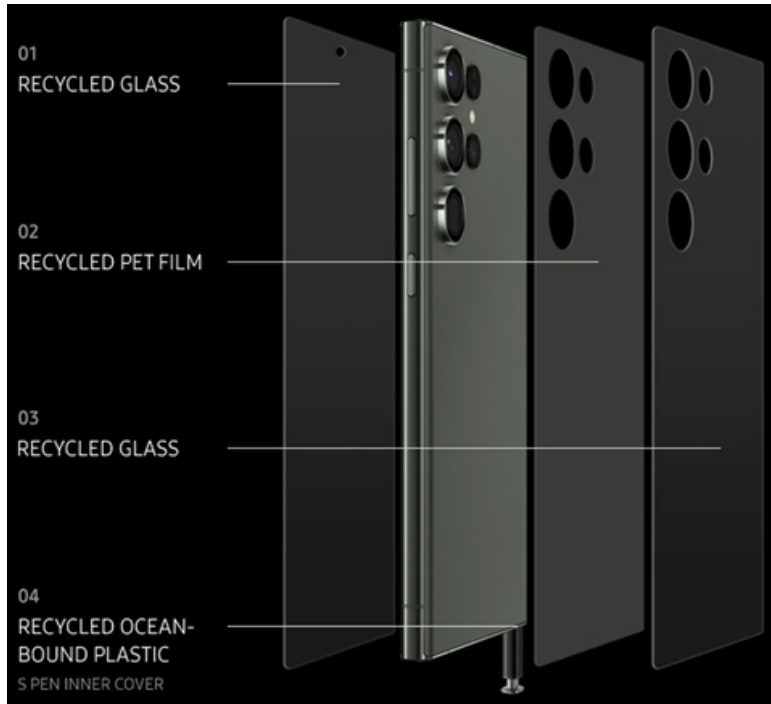# Product Overview and Specification

Down to earth tones

Stay grounded with an array of earth-inspired hues. Crafted with natural dyes, each tone is elegant and elevated, yet completely down to earth.

Designed with planet in mind

The use of conscious materials makes this our most eco-friendly smartphone ever. Recycled glass and PET film accent the phone's exterior, and box made from recycled paper makes it planet-loving from the moment it hits your hands.

01
RECYCLED GLASS

02
RECYCLED PET FILM

03
RECYCLED GLASS

04
RECYCLED OCEAN-
BOUND PLASTIC
S PEN INNER COVER

Epically equipped

We've packed Galaxy's biggest sensor, light-absorbing pixels and video stabilization technology into one Pro-grade Camera, all resulting in the ultimate question: "Can you send me that?"

12MP
Selfie Camera

12MP
Ultra Wide Camera

200MP
Wide-angle Camera

10MP
10x Optical Zoom
Telephoto Camera 1

10MP
3x Optical Zoom
Telephoto Camera 2

Power for those who don't pause

Maximize your free time with the most powerful chip on a Galaxy smartphone. Improved features across the board means everything from gaming to streaming is optimized and seamless -- without draining the battery.

Specification

Processor		
CPU Type	Octa-Core	
CPU Speed	3.36GHz,2.8GHz,2GHz	
Display		
Resolution (Main Display)	3088 x 1440 (Quad HD+)	
Main Display Size	173.1mm (6.8" full rectangle) / 172.5mm (6.8" rounded corners)	
Technology (Main Display)	Dynamic AMOLED 2X	
Color Depth (Main Display)	16M	
S Pen Supported	Yes	
Sub Display Resolution	N/A	
Sub Display Technology	N/A	
Sub Display Color Depth	N/A	
Camera		
Camera resolution (Front)	12.0 MP	
Camera resolution (Rear)	200.0 MP + 10.0 MP + 12.0 MP + 10.0 MP	
Video Recording Resolution	UHD 8K (7680 x 4320)@30fps	
Main Camera - Flash	Yes	
Main Camera - Auto Focus	Yes	
Front Camera - F Number	F2.2	

Front Camera - Auto Focus	Yes	
Slow Motion	960fps @FHD,240fps @FHD	
Main Camera - F Number (Multiple)	F1.7 , F4.9 , F2.2 , F2.4	
Main Camera - OIS	Yes	
Main Camera - Zoom	Optical Zoom at 3x and 10x , Digital Zoom up to 100x	
Storage		
Internal Storage	256GB	
Available Storage (GB)	217.9GB	
External Storage Support	N/A	
RAM Size (GB)	8GB	
Network		
2G GSM	GSM850,GSM900,DCS1800,PCS1900	
2G CDMA	N/A	
3G UMTS	B1(2100),B2(1900),B4(AWS),B5(850),B8(900)	
3G CDMA	N/A	
3G TD-SCDMA	N/A	
4G FDD LTE	B1(2100),B2(1900),B3(1800),B4(AWS),B5(850),B7(2600),B8(900),B12(700),B13(700),B14(700),B18(800),B19(800),B20(800),B25(1900),B26(850),B28(700),B29(70	

	0),B30(2300),B66(AWS-3),B71(600)	
4G TDD LTE	B38(2600),B39(1900),B40(2300),B41(2500),B46(5200),B48(3600)	
SIM Slot Type	SIM 1 + Embedded SIM	
5G FDD Sub6	N1(2100),N7(2600),N28(700),N66(AWS-3),N71(600)	
5G TDD Sub6	N258(26GHz),N260(39GHz),N261(28GHz)	
5G TDD mmWave	N41(2500),N78(3500)	
Connectivity		
Wi-Fi Connectivity	802.11 a/b/g/n/ac/ax 2.4G+5GHz+6GHz, HE160, MIMO, 1024-QAM	
USB	USB 3.2 Gen 1	
Bluetooth®	Bluetooth v5.3	
Location Technology	GPS,Glonass,Beidou,Galileo	
Earjack	USB Type-C	
MHL	No	
Wi-Fi Direct	Yes	
NFC	Yes	
PC Sync.	Smart Switch (PC version)	
USB Interface	USB Type-C	
OS		
OS	Android	

Sensor Type	
Type	Accelerometer,Barometer,Fingerprint Sensor,Gyro Sensor,Geomagnetic Sensor,Hall Sensor,Light Sensor,Proximity Sensor
Battery	
Battery, Talk Time	Up to 49
Removable	No
Internet Usage Time(LTE) (Hours)	Up to 25
Internet Usage Time(Wi-Fi) (Hours)	Up to 25
Battery Capacity (mAh, Typical)	5000
Audio Playback Time (Hours, Wireless)	Up to 99
Audio Playback Time (Hours, Always On Display Off)	- -
Talk Time (2G GSM) (Hours)	- -
Talk Time (3G WCDMA) (Hours)	- -
Talk Time (2G CDMA) (Hours)	- -
Talk Time (4G LTE) (Hours)	Up to 49
Video Playback Time (Hours, Wireless)	Up to 26

Audio		
Audio Playing Format	MP3,M4A,3GA,AAC,OGG,OGA,WAV,AMR,AWB,FLAC,MID,MIDI,XMF,MXMF,IMY,RTTTL,RTX,OTA,DFF,DSF,APE	
Video		
Video Playing Format	MP4,M4V,3GP,3G2,AVI,FLV,MKV,WEBM	
Video Playing Resolution	UHD 8K (7680 x 4320)@60fps	
Stereo Support	Yes	
Services and Applications		
Samsung DeX Support	Yes	
Gear Manager	Galaxy Buds2 Pro,Galaxy Buds Pro,Galaxy Buds Live,Galaxy Buds+,Galaxy Buds2,Galaxy Buds,Galaxy Fit2,Galaxy Fit e,Galaxy Fit,Galaxy Watch5,Galaxy Watch4,Galaxy Watch3,Galaxy Watch,Galaxy Watch Active2,Galaxy Watch Active,Gear Fit2 Pro,Gear Fit2,Gear Sport,Gear S3,Gear S2	
Mobile TV	No	
Key Features		
NFC	Yes	
Collapse group heading		

Physical specification

Dimension (HxWxD, mm)	163.4 x 78.1 x 8.9	
Weight (g) *	234	