# Galaxy S10 5G

## SAMSUNG

### Equipped for the 5G future



With the Galaxy S10 5G, you are ready for the latest network revolution. Thanks to 5G, you can enjoy live broadcasts in 4K quality or online gaming with ultrashort response times. Depth sensors in the completely enhanced S10 series enable you to record videos with depth of field (BOKEH).

#### Galaxy S10 5G Highlights

- ·6.7" QHD+ Dynamic AMOLED
- ·5G network support
- ·6 pro grade cameras
- ·Image stabilization at action cam level
- ·Ultrasonic fingerprint
- $\cdot 25$  W superfast charging
- ·Wireless PowerShare
- $\cdot$  8 GB RAM / 256 GB memory



#### 5G experience

Thanks to the ultrashort response times of 5G, you can play online games while on the move or stream your party on social media channels in 4K quality. Welcome to the future.



#### Take photos and record videos with BOKEH

With the 3D depth lens, you can film like a pro with depth of field (BOKEH) or add that little something extra to your portrait shots. You can even use the camera to measure your furniture.



#### Pure cinematic experience – Dynamic AMOLED

Enjoy videos and images on a large, bright 6.7" display with unprecedented sharpness and rich colors. This way, watching your favorite series will always be a real experience, even on the beach. And with 41% less tiring blue light, relaxation is guaranteed. Thanks to Dolby ATMOS, you can also enjoy a unique sound.



#### On-screen ultrasonic fingerprint

With the Galaxy S10 5G the fingerprint sensor is integrated into the display. And thanks to ultrasonic technology, it works reliably even in wet or cold conditions or when there is a lot of light. You can also still use facial recognition, a PIN or a password.

#### Product details of Samsung Galaxy S10 5G

Color         Crown Silver         Majestic Black           Model code         SM-G77782SAUT         SM-G7778ZAAAUT           EAN         8801643907846         8801643965655           Series         Galaxy ST0 5G         0           Operating system         Android Pie with Samsung One UI         1           Chipset and CPU speed         Samsung Exynos 9820, Octa-core (2.7 GHz + 2.3 GHz + 1.9 GHz)         1           DISPLAY         Type, size and resolution         Dynamic Amoled - 6.7" - 3040 × 1440 - 505 dpi         1           MEMORY         RAM         8 GB         8 GB         8 GB         1           RAM         8 GB         8 GB         255 GB         255 GB         255 GB         255 GB         256 GB	GENERAL			
Model code     SM-6977B2SAAUT     SM-6977B2AAAUT       EAN     8801643907846     8801643965655       Series     Galaxy S10 5G     Operating system     Android Pie with Samsung One UI       Chipset and CPU speed     Samsung Exynos 9820, Octa-core (2.7GHz + 2.3GHz + 1.9GHz)     Form factor       DisPLAY     Type, size and resolution     Dynamic Amoled - 6.7* - 3040 × 1440 - 505 dpi       MEMORY     RAM     8GB     8 GB       RAM     8GB     8 GB       Internal     256 GB     256 GB       EXVIRONMENT     Localization     GPS - GL0NASS - Galileo - BeiDou       Calalization     GPS - GL0NASS - Galileo - BeiDou       Sensors     Accelerometer - barometer - lutrasonic fingerprint sensor - gron sensor - geomagnetic sensors       Back     Quadruple camera with dual OIS - 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 3D depth hQVGA       Front     Dual camera, 10 MP (f/1.9), 8 MP (f 2.2), 3D depth hQVGA       Scene recognition     Yes / Yes       Suber C10NS     Network       Network     SG LTE cat. 20       SIM card     Nano single SIM       Transfer     Wi-F180211a //b //n/ac/ax (2.4/5 GHz) - Bluetooth 5.0 - NFC       Interfaces     USPC C31 - headset/microphone 3.5 m stereo - internal microphone       ANT+     Yes       MHL     -       AUDI		Course Silver	Matanti Di ali	
EAN     8801643907846     8801643965655       Series     Galaxy S10 5G       Operating system     Android Pie with Samsung One UI       Chipset and CPU speed     Samsung Exynos 9820, Octa-core (2.7 GHz + 2.3 GHz + 1.9 GHz)       Form factor     Mobile       DISPLAY     Type, size and resolution       Dyne, size and resolution     Dynamic Amoled - 6.7 * 3040 × 1440 - 505 dpi       MEMORY     RAM     8 GB       RAM     8 GB     8 GB       Internal     256 GB     256 GB       External     -     ENVIRONMENT       Localization     GPS - GLONASS - Galilleo - BeiDou       Sensors     Accelerometer - barometer - ultrasonic fingerprint sensor - gyro sensor - geomagnetic set hall sensor - proximity sensor - RGB light sensor       CAMERA     Quadruple camera with dual OIS - 16 MP (//2.2) ultra-wide, 12 MP (//1.5) & 2.4 wide, 12 MP (//1.5) & 8.2.4 wide, 12 MP (//1.2) & 12 MP (//1.2) & 12 MP (//1.5) & 8.2.4 wide, 12 MP (//1.5) & 8.2.4 wide, 12 MP (//1.2) & 12 MP (/1.2) & 12 MP (//1.2) & 12 MP (//1.5) & 8.2.4 wide, 12 MP (//1.5) & 8.2.4 wide, 12 MP (//1.2) & 12 MP (//1.2) & 12 MP (//1.2) & 12 MP (//1.2) & 12 MP (//1.5) & 8.2.4 wide, 12 MP (//1.2) & 12 MP (//2.2) & 12 MP (//2.			,	
Series       Galaxy S10 SG         Operating system       Android Ple with Samsung One UI         Chipset and CPU speed       Samsung Exynos 9820, Octa-core (2.7 GHz + 2.3 GHz + 1.9 GHz)         Form factor       Mobile         DISPLAY       Type, size and resolution         Dynamic Amoled - 6.7* · 3040 × 1440 · 505 dpl         MEMORY         RAM       8 GB       8 GB         Internal       256 GB       256 GB         External       -       EWVRONKENT         Localization       GPS · GLONASS · Galileo · BeiDou       Sensors · growensor · geomagnetic set hall sensor · barometer · ultrasonic fingerprint sensor · gros sensor · geomagnetic set hall sensor · proximity sensor · GVGA         CAMERA       Quadruple camera with dual OIS · 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 VM (f/2.1) (g3 depth hQVGA         Front       Dual camera, 10 MP (f/1.9), 8 MP(f/2.2), 30 depth hQVGA         Front       Dual camera, 10 MP (f/1.9), 8 MP(f/2.2), 30 depth hQVGA         Scene recognition       Yes / Yes         Autofocus main / front camera       Yes / Yes         Metwork       SG LTE cat. 20         SIM card       Nano single SIM         Transfer       WI-F1802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone <td></td> <td></td> <td></td>				
Operating system     Android Pile with Samsung One UI       Chipset and CPU speed     Samsung Exynos 9820, Octa-core (2.7 GHz + 2.3 GHz + 1.9 GHz)       Form factor     Mobile       DSPLAY     Type, size and resolution       Dynamic Amoled - 6.7* - 3040 × 1440 - 505 dpl       MEMORY       RAM     8 GB       BAM     256 GB       External     -       ENVIRONMENT       Localization     GPS - GLONASS - Galileo - BeiDou       Sensors     Accelerometer - barometer - ultrasonic fingerprint sensor - grosensor - geomagnetic sei hall sensor - proximity sensor - GB light sensor       CAMERA     Quadruple camera with dual OIS - 16 MP(//2.2) ultra-wide, 12 MP(//1.5) & 2.4 wide, 12 MP(//2.4) tele, 30 depth hQVGA       Front     Dual camera, 00 MP(//1.9), & MP(//2.2), 3D depth hQVGA       Scene recognition     Ves / Yes       Super Slow Motion     0.4 sin high quality - 0.8 sin normal quality       CONNECTIONS     SG LTE cat. 20       SiM card     Nano single SIM       Transfer     Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) - 8 luetooth 5.0 - NFC       Interfaces     USB-C 31 - headset/microphone 3.5 mm stereo - internal microphone       ANT*     Yes       MHL     -       AUDIO AND VIDEO     MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM       Resolution video record     UHD 4K (3840 x 2160) @60fps, HDR 10+				
Chipset and CPU speed Samsung Exynos 9820, Octa-core (2.7 GHz + 2.3 GHz + 1.9 GHz) Form factor Mobile DISPLAY UPU, Size and resolution Dynamic Amoled + 6.7° + 3040 × 1440 + 505 dpi MEMORY RAM 8 GB 8 8 GB Internal 256 GB 256 GB External - ENVIRONMENT Localization GPS - GLONASS - Galileo - BelDou Sensors Accelerometer - barometer - ultrasonic fingerprint sensor - gyro sensor - geomagnetic sei hall sensor - proximity sensor - RGB light sensor CAMERA Back Quadruple camera with dual OIS - 16 MPC ff(7.2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 30 depth hQVGA Front Dual camera, 10 MP (f/1.9), 8 MP(f / 2.2) altra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 30 depth hQVGA Scene recognition Yes Autofocus main / front camera Yes / Yes Super Slow Motion 0.4 s in high quality - 0.8 s in normal quality CONNECTIONS Network \$G LTE cat. 20 SIM card Nano single SIM Transfer Wi-F1802.11 a/b/g/n/ac/ax (2.4/5 GHz) - Bluetooth 5.0 - NFC Interfaces USB-C3.1 - headset/microphone 3.5 mm stere - internal microphone ANT+ Yes MHL - AUDO AND VIDEO Format (video) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD AK (3840 x 2160) @60fps, HDR 10+ Format (udio) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD AK (3840 x 2160) @60fps, HDR 10+ Format (udio) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD AK (3840 x 2160) @60fps, HDR 10+ Format (udio) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD AK (3840 x 2160) @60fps, HDR 10+ Format (udio) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD AK (3840 x 2160) @60fps, HDR 10+ Format (udio) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD AK (3840 x 2160) @60fps, HDR 10+ Format (udio) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD AK (3840 x 2160) @60fps, HDR 10+ Format (udio) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD AK (3840 x 216				
Form factor       Mobile         DISPLAY       Dynamic Amoled - 6.7* - 3040 × 1440 - 505 dpi         MEMORY       8 GB       8 GB         RAM       8 GB       256 GB         External       –       –         EVIRONMENT       Localization       GPS - GLONASS - Galileo - BelDou         Sensors       Accelerometer - barometer - ultrasonic fingerprint sensor - gyro sensor - geomagnetic set hall sensor - proximity sensor - RGB light sensor         CAMERA       Quadruple camera with dual OIS - 16 APP(f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 ZMP (f/2.4) tele, 3D depth hQVGA         Front       Dual camera, 10 MP (f/1.9), 8 MP(f/2.2), 3D depth hQVGA         Scene recognition       Yes         Autofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 s in high quality - 0.8 s in normal quality         CONNECTIONS       SG LTE cat. 20         SIM card       Nano single SIM         Transfer       Wi-F1802.11 a/b/g/n/ac/ax (2.4/5 GHz) - Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT*       Yes         MHL       –         AUDO AND VIDEO       Format (wide)         Format (wide)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record <td></td> <td colspan="2"></td>				
DSPLAY         Type, size and resolution       Dynamic Amoled - 6.7° - 3040 × 1440 - 505 dpi         MEMORY         RAM       8 GB         RAM       8 GB         Internal       256 GB         External       -         ENVIRONMENT       -         Localization       GPS - GLONASS - Galileo - BelDou         Sensors       Accelerometer - barometer - ultrasonic fingerprint sensor - gromagnetic sensor - hall sensor - proximity sensor - RGB light sensor         GAMERA       -         Back       Quadruple camera with dual OIS - 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.9) & MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/1.9) & MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.9) & MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.9) & MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.9) & MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.9) & MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/1.9) & MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 0.4 wide, 12 MP (f/				
Type, size and resolution         Dynamic Amoled - 6.7" - 3040 × 1440 - 505 dpi           MEMORY         8 GB         8 GB           RAM         8 GB         256 GB           Internal         256 GB         256 GB           External         -         -           ENVIRONMENT         Cocalization         GPS - GLONASS - Galileo - BeiDou           Sensors         Accelerometer - barometer - ultrasonic fingerprint sensor - gyro sensor - geomagnetic sen hall sensor - proximity sensor - KGB lights ensor           CAMERA         Quadruple camera with dual OIS - 16 APM (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 30 depth hQVGA           Front         Dual camera, 10 MP (f/1.9), 8 MP(f/ 2.2), 3D depth hQVGA           Scene recognition         Yes           Autofocus main / front camera         Yes / Yes           Super Slow Motion         0.4 s in high quality - 0.8 s in normal quality           CONNECTIONS         SG LTE cat. 20           Silk card         Nano single SIM           Transfer         Wi-Fi802.11 a/b/g/n/ac/ax(2.4/5 GH2) - Bluetooth 5.0 · NFC           Interfaces         USB-C 3.1 + headset/microphone 3.5 mm stereo - internal microphone           ANT+         Yes           MHL         -           AUDIO AND VIDEO         Format (udio)         Delby ATMOS, MP3, SdA, 3GA, AAC, DGG, GG		Mobile		
RAM       8 GB       8 GB         RAM       8 GB       256 GB         Internal       256 GB       256 GB         External       -       -         External       -       -         External       -       -         Localization       GPS - GLONASS - Galileo - BeiDou       -         Sensors       Accelerometer - barometer - ultrasonic fingerprint sensor - geomagnetic sei hall sensor - proximity sensor - RGB light sensor         CAMERA       Quadruple camera with dual OIS - 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 30 depth hQVGA         Front       Dual camera, 10 MP (f/2.4) tele, 30 depth hQVGA         Scene recognition       Yes         Autofocus main / front camera       Yes / Yes         Nutofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 sin high quality - 0.8 sin normal quality         CONNECTIONS       Network         SG LTE cat. 20       SiM ard         Nano single SIM       Transfer         Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) - Bluetooth 5.0 - NFC         Interfaces       USB-C 3.1 - headset/microphone 3.5 mm stereo - internal microphone         ANT+       Yes         MHL       -         -       ADDI AND VIDEO <t< td=""><td></td><td></td><td></td></t<>				
RAM     8 GB     8 GB       Internal     256 GB       External     -       ENVIRONMENT       Localization     GPS - GLONASS - Galileo - BeiDou       Sensors     Accelerometer - barometer - ultrasonic fingerprint sensor - gyro sensor - geomagnetic see hall sensor - proximity sensor - RGB light sensor       CAMERA     Quadruple camera with dual OIS - 16 MP (fr/2.2) ultra-wide, 12 MP (fr/1.5) & 2.4 wide, 12 MP (fr/1.5) & 2.4 wide		Dynamic Amoled • 6./" • 3040 × 1440 • 505 dpi		
Internal 256 GB 256 GB 256 GB 256 GB External –  ENVIROMENT  Localization GPS - GLONASS - Galileo - BeiDou Sensors Accelerometer - barometer - ultrasonic fingerprint sensor - gyro sensor - geomagnetic sei hall sensor - proximity sensor - RGB light sensor  CAMERA  Back Quadruple camera with dual OIS - 16 MP (//2.2) ultra-wide, 12 MP (//1.3) & 2.4 wide, 12 MP (//2.4) tele, 3D depth hQVGA  Front Dual camera, 10 MP (//1.9), 8 MP(// 2.2), 3D depth hQVGA  Front Dual camera, 10 MP (//1.9), 8 MP(// 2.2), 3D depth hQVGA  Scene recognition Yes Autofocus main / front camera Yes / Yes Super Slow Motion 0.4 si nhigh quality - 0.8 si n normal quality CONNECTIONS  Network 5G LTE cat. 20 SIM card Nano single SIM Transfer Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) - Bluetooth 5.0 - NFC Interfaces USB-C3.1 - headset/microphone 3.5 mm stereo - internal microphone ANT+ Yes MHL –   AUDIO AND VIDEO Format (video) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD 4K (3840 x 2160) @ofps, HDR 10+ Format (video) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXMF, IMY, RTTTL, RTX, OTA, DSF, DFF, APE  SECURITY  Device unlocking Swipe - pattern - PIN - password - facial recognition - fingerprint Fingerprint sensor On-screen ultrasonic fingerprint sensor Excursions Samsung Pay - secure folder - child mode - DEX (PC mode) Water- and dust-resistant IP68 DIMENSIONS (W × H × D)		9 C P	0 CD	
External       -         ENVIRONMENT       GPS - GLONASS - Galileo - BeiDou         Sensors       Accelerometer - barometer - ultrasonic fingerprint sensor - gyro sensor - geomagnetic senhalt sensor - RoB light sensor         CAMERA       Quadruple camera with dual OIS - 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 30 depth hQVGA         Front       Dual camera, 10 MP (f/1.9), 8 MP(f/ 2.2), 3D depth hQVGA         Scene recognition       Yes         Autofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 sin high quality - 0.8 sin normal quality         CONNECTIONS       Ever / Yes         Network       SG LTE cat. 20         SiM card       Nano single SIM         Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) - Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       -         AUDIO AND VIDEO       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Format (video)       MP4, M4V, 3GA, 3G2, AAC, OGG, OG, MAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXH, IMY, RITTL, RTX, OTA, DSF, DFF, APE         SECURITY       Secure to ulncking       Sulfie - pattern - PIN - password - facial recognition - fingerprint         Format (video)       Sulfie - pattern - NIN - password - facial recognition - fing				
ENVIRONMENT           Localization         GPS · GLONASS · Galileo · BeiDou           Sensors         Accelerometer · barometer · ultrasonic fingerprint sensor · gyro sensor · geomagnetic set hall sensor · proximity sensor · RGB light sensor           CAMERA         Quadruple camera with dual OIS · 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 3D depth hQVGA           Secne recognition         Yes           Autofocus main / front camera         Yes / Yes           Super Slow Motion         0.4 s in high quality · 0.8 s in normal quality           CONNECTIONS         SG LTE cat. 20           SIM card         Nano single SIM           Transfer         Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC           Interfaces         USB-C 5.1 · headset/microphone 3.5 mm stereo · internal microphone           ANT+         Yes           MHL         ~           AUDO AND VIDEO         MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM           Resolution video record         UHD 4K (3840 x 2160) @60fps, HDR 10+           Format (audio)         MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM           SecturtY         Swipe - pattern · PIN · password - facial recognition - fingerprint           Fingerprint sensor         On-screen ultrasonic fingerprint sensor           Device unlocking         Swipe - pattern · PIN · password - facial recogni		256 GB	250 GB	
Localization       GPS · GLONASS · Galileo · BeiDou         Sensors       Accelerometer · barometer · ultrasonic fingerprint sensor · gvor sensor · geomagnetic sen hall sensor · proximity sensor · RGB light sensor         CAMERA       Quadruple camera with dual OIS · 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 3D depth hQVGA         Front       Dual camera, 10 MP (f/1.9), 8 MP(f/2.2), 3D depth hQVGA         Scene recognition       Yes         Autofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 s in high quality · 0.8 s in normal quality         CONNECTIONS       ONNECTIONS         Network       SG LTE cat. 20         SIM card       Nano single SIM         Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       ~         AUDIO AND VIDEO       Format (uideo)         Format (uideo)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160)@60fps, HDR 10+         Format (audio)       MOLA (3840 x 2160)@60fps, HDR 10+         Format (uideio)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160)@60fps, H		-		
Sensors       Accelerometer · barometer · ultrasonic fingerprint sensor · gyro sensor · geomagnetic set hall sensor · proximity sensor · RGB light sensor         CAMERA       Quadruple camera with dual OIS · 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 30 depth hQVGA         Front       Dual camera, 10 MP (f/1.9), 8 MP(f/2.2), 3D depth hQVGA         Scene recognition       Yes         Autofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 s in high quality · 0.8 s in normal quality         CONNECTIONS       Network         Network       SG LTE cat. 20         SiM card       Nano single SIM         Transfer       Wi-Fi802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       –         AUDIO AND VIDEO       Format (video)         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       MDel, XMVS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXMF, IMY, RITTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Evigener ultrasonic fingerprint sensor       Fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water-				
hall sensor · proximity sensor · RGB light sensor         CAMERA         Back       Quadruple camera with dual OIS · 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 3D depth hQVGA         Front       Dual camera, 10 MP (f/1.9), 8 MP(f/2.2), 3D depth hQVGA         Scene recognition       Yes         Autofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 s in high quality · 0.8 s in normal quality         CONNECTIONS       Vesor         Network       5G LTE cat. 20         SIM card       Nano single SIM         Transfer       Wi-Fi 802.11 a /bg/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       –         AUDIO AND VIDEO       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       MP4, MAV, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         SECURITY       Debuy ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MX/F, IMY, FITL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking       Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On -screen ultrasonic fingerprint sensor				
Back       Quadruple camera with dual OIS · 16 MP (f/2.2) ultra-wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/1.5) & 2.4 wide, 12 MP (f/2.4) tele, 3D depth hQVGA         Front       Dual camera, 10 MP (f/1.9), 8 MP(f/2.2), 3D depth hQVGA         Scene recognition       Yes         Autofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 s in high quality · 0.8 s in normal quality         CONNECTIONS       Ves         Network       SG LTE cat. 20         SIM card       Nano single SIM         Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GH2) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       –         AUDIO AND VIDEO       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Format (video)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXMF, IMY, RTTTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking       Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On -screen ultrasonic fingerprint sensor       On -screen oltrasonic fingerprint sensor         Function	Sensors			
12 MP (f/2.4) tele, 3D depth hQVGA         Front       Dual camera, 10 MP (f/1.9), 8 MP(f/ 2.2), 3D depth hQVGA         Scene recognition       Yes         Autofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 s in high quality · 0.8 s in normal quality         CONNECTIONS       Network         SIM card       Nano single SIM         Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       -         AUDIO AND VIDEO       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Format (video)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXHF, IMY, RTTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking       Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On -screen ultrasonic fingerprint sensor       On-screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)       Mater- and dust-resistant         IP68       DIMENSIONS (W × H × D)	CAMERA		5	
Scene recognition       Yes         Autofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 s in high quality · 0.8 s in normal quality         CONNECTIONS       Image: Step Step Step Step Step Step Step Step	Back			
Autofocus main / front camera       Yes / Yes         Super Slow Motion       0.4 s in high quality · 0.8 s in normal quality         CONNECTIONS       SG LTE cat. 20         Network       5G LTE cat. 20         SIM card       Nano single SIM         Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       -         AUDIO AND VIDEO       -         Format (video)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXMF, IMY, RTTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Singer · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On-screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68         DIMENSIONS (W × H × D)       IP68	Front			
Super Slow Motion       0.4 s in high quality · 0.8 s in normal quality         CONNECTIONS         Network       5G LTE cat. 20         SIM card       Nano single SIM         Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       -         AUDIO AND VIDEO       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXF, IMY, RTTLL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking       Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On -screen ultrasonic fingerprint sensor       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68       IPMENSIONS (W × H × D)       IPMENSIONS (W × H × D)	Scene recognition			
CONNECTIONS         Network       5G LTE cat. 20         SIM card       Nano single SIM         Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       -         AUDIO AND VIDEO       Format (video)         MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXF, IMY, RTTLL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On -screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68         DIMENSIONS (W × H × D)       IP68	Autofocus main / front camera			
Network       5G LTE cat. 20         SIM card       Nano single SIM         Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       -         AUDIO AND VIDEO          Format (video)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MKF, IMY, RTTTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On -screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68         DIMENSIONS (W × H × D)       E	Super Slow Motion			
SIM card       Nano single SIM         Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       –         AUDIO AND VIDEO       Format (video)         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MKF, IMY, RTTTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Fingerprint sensor       On-screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68         DIMENSIONS (W × H × D)       Intersonic finger print sensor	CONNECTIONS			
Transfer       Wi-Fi 802.11 a/b/g/n/ac/ax (2.4/5 GHz) · Bluetooth 5.0 · NFC         Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       –         AUDIO AND VIDEO       Format (video)         MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MKF, IMY, RTTLL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Fingerprint sensor       On-screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68         DIMENSIONS (W × H × D)       Intersonal content of the secure folder · child mode · DEX (PC mode)	Network	5G LTE cat. 20		
Interfaces       USB-C 3.1 · headset/microphone 3.5 mm stereo · internal microphone         ANT+       Yes         MHL       -         AUDIO AND VIDEO       -         Format (video)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXMF, IMY, RTTLL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On -screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68         DIMENSIONS (W × H × D)       -	SIM card			
ANT+ Yes MHL – AUDIO AND VIDEO Format (video) MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM Resolution video record UHD 4K (3840 x 2160) @60fps, HDR 10+ Format (audio) Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MKF, IMY, RTTLL, RTX, OTA, DSF, DFF, APE SECURITY Device unlocking Swipe - pattern - PIN - password - facial recognition - fingerprint Fingerprint sensor On-screen ultrasonic fingerprint sensor Functions Samsung Pay - secure folder - child mode - DEX (PC mode) Water- and dust-resistant IP68 DIMENSIONS (W × H × D)	Transfer			
MHL     -       AUDIO AND VIDEO       Format (video)     MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM       Resolution video record     UHD 4K (3840 x 2160) @60fps, HDR 10+       Format (audio)     Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXF, IMY, RTTL, RTX, OTA, DSF, DFF, APE       SECURITY     Device unlocking       Swipe · pattern · PIN · password · facial recognition · fingerprint       Fingerprint sensor     On-screen ultrasonic fingerprint sensor       Functions     Samsung Pay · secure folder · child mode · DEX (PC mode)       Water- and dust-resistant     IP68	Interfaces			
AUDIO AND VIDEO         Format (video)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXMF, IMY, RTTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On-screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68         DIMENSIONS (W × H × D)       Image: Comparison of the secure folder · child mode · DEX (PC mode)	ANT+			
Format (video)       MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM         Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXMF, IMY, RTTTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On-screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68         DIMENSIONS (W × H × D)       Image: Comparison of the comparison of	MHL	-		
Resolution video record       UHD 4K (3840 x 2160) @60fps, HDR 10+         Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXMF, IMY, RTTTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking         Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On-screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68	AUDIO AND VIDEO			
Format (audio)       Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XI MXMF, IMY, RTTTL, RTX, OTA, DSF, DFF, APE         SECURITY       Device unlocking       Swipe · pattern · PIN · password · facial recognition · fingerprint         Fingerprint sensor       On-screen ultrasonic fingerprint sensor       On-screen ultrasonic fingerprint sensor         Functions       Samsung Pay · secure folder · child mode · DEX (PC mode)         Water- and dust-resistant       IP68	Format (video)	MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM		
MXMF, IMY, RTTL, RTX, OTA, DSF, DFF, APE         SECURITY         Device unlocking       Swipe + pattern + PIN + password + facial recognition + fingerprint         Fingerprint sensor       On-screen ultrasonic fingerprint sensor         Functions       Samsung Pay + secure folder + child mode + DEX (PC mode)         Water- and dust-resistant       IP68         DIMENSIONS (W × H × D)       Enter Secure S	Resolution video record			
Device unlocking     Swipe · pattern · PIN · password · facial recognition · fingerprint       Fingerprint sensor     On-screen ultrasonic fingerprint sensor       Functions     Samsung Pay · secure folder · child mode · DEX (PC mode)       Water- and dust-resistant     IP68       DIMENSIONS (W × H × D)     IP68	Format (audio)	Dolby ATMOS, MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA, DSF, DFF, APE		
Fingerprint sensor     On-screen ultrasonic fingerprint sensor       Functions     Samsung Pay · secure folder · child mode · DEX (PC mode)       Water- and dust-resistant     IP68       DIMENSIONS (W × H × D)     IP68	SECURITY			
Functions     Samsung Pay · secure folder · child mode · DEX (PC mode)       Water- and dust-resistant     IP68       DIMENSIONS (W × H × D)     IP68	Device unlocking			
Water- and dust-resistant IP68 DIMENSIONS (W × H × D)	Fingerprint sensor	On-screen ultrasonic fingerprint sensor		
DIMENSIONS (W × H × D)	Functions	Samsung Pay · secure folder · child mode · DEX (PC mode)		
	Water- and dust-resistant	IP68	IP68	
	DIMENSIONS (W × H × D)			
Lase //.1 × 162.6 × /.9 mm	Case	77.1 × 162.6 × 7.9 mm		
Weight 198 g	Weight	198 g		
ENERGY SOURCE	ENERGY SOURCE			
Battery 4500 mAh	Battery	4500 mAh		
SAR value	SAR value			
Fast charging · Wireless charging Fast wireless charging 2.0 · Wireless PowerShare	Fast charging · Wireless charging	Fast wireless charging 2.0 · Wireless PowerShare		
WARRANTY Device 2 years · battery 1 year	WARRANTY	Device 2 years · battery 1 year		
DELIVERY	DELIVERY			

#### OPTIONAL ACCESSORIES







Black, Gray



Protective Standing Cover Black & Silver

Wireless Battery Pack Silver, Pink

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### where **SAMSUNG**

Wireless Charger Duo Pad Black, White

