



720G

The Qualcomm® Snapdragon™ 720G Mobile Platform boasts extraordinary gaming experiences with select Qualcomm® Snapdragon Elite Gaming™ features, plus accelerated on-device AI that powers intelligent performance and a home theater in your pocket.



Smooth HDR mobile gaming

Enter new arenas of entertainment with mobile gaming powered by the Snapdragon 720G. Select Snapdragon Elite Gaming features help you come out on top, every time. Whether fighting off enemies or defending your team's turf, smoother graphics, HDR gaming and Qualcomm® aptX™ Adaptive audio combine to create an unmatched gaming experience that immerses you deep in the action.

- Select Snapdragon Elite Gaming features including Game Anti-Cheat Extensions and Game Fast Loader
- True HDR Gaming featuring 10-bit color depth
- aptX Adaptive audio provides high-quality synchronized sound



Home theater in your pocket

Need a break from vanquishing your enemies? Enjoy exceptional entertainment from camera and video capture to HDR movie playback and streaming. The Qualcomm Spectra™ 350L achieves sharp video resolution and vibrant image detail with the ability to capture at a staggering 192 megapixels. Plus, get lost in all your favorite shows and movies with HDR video playback and high-definition streaming.

- HDR video streaming enables sharper picture quality and more vibrant color
- 4K Video Capture yields high-definition footage with ultimate clarity
- Capture in low-light environments with extreme noise reduction and support for up to 16 MP camera



Accelerated on-device AI

Experience fast, smart and more intuitive on-device gaming. The 5th gen Qualcomm® AI Engine is designed to deliver enhanced gaming performance with lower power consumption—perfect for seamless game sessions with less lag or glitch.

- Dedicated Qualcomm® Hexagon™ Tensor Accelerator and Hexagon Scalar Accelerator
- Qualcomm® Sensing Hub enables your favorite voice assistant to be always-on, awaiting your command



Connect and conquer

Experience robust coverage for powerful gaming on the go. With support for 4x4 MIMO, download your favorite games faster—virtually anytime, anywhere. Qualcomm(R) FastConnect™ 6200 Mobile Connectivity Subsystem provides highly integrated 2x2 mobile connectivity, offering twice the number of antennas for sending and receiving data, in addition to key Wi-Fi 6 features for longer battery life and advanced wireless security.

- 8x8 sounding can increase capacity for up to 2x improvement over 4x4 sounding devices
- Target Wake Time (TWT) can increase battery life by lowering power consumption by up to 67%



Navigate your way to victory

Double up on signal with dual-frequency GNSS. Now your device can better pinpoint where you are—indoors and outdoors. It boasts up to 6x the accuracy in dense urban areas so you can find your gamer friends in a crowd. Plus, access to India's NavIC satellite system (where available) allows your device to track your location quicker and more accurately.

- Support for India's NavIC satellite system
- Dual Frequency GNSS (L1 and L5)
- Qualcomm® Sensor-Assisted Positioning

To learn more visit
[snapdragon.com](https://www.qualcomm.com/snapdragon)

All comparisons made are in reference to previous generation, Snapdragon 712 mobile platform. Results will vary depending on OEM implementation and other factors.

Qualcomm Snapdragon, Qualcomm Snapdragon Elite Gaming, Qualcomm aptX, Qualcomm Hexagon, Qualcomm Sensing Hub, Qualcomm Sensor Assisted Positioning, Qualcomm Spectra, Qualcomm AI Engine, and Qualcomm FastConnect are products of Qualcomm Technologies Inc. and/or its subsidiaries.



SPECIFICATIONS & FEATURES

AI Engine

- Qualcomm® Adreno™ 618 GPU
- Qualcomm® Kryo™ 465 CPU
- Hexagon 692 Processor
 - Hexagon Tensor Accelerator
 - Hexagon Vector eXtensions
 - Hexagon Scalar Accelerator
- Qualcomm Sensing Hub
 - Ultra low power hub for audio, voice and sensors
 - Supports AI algorithms at low power
 - Capable of fusing contextual data streams including sensors, audio and voice
 - Supports multiple hardware-accelerated always-on voice assistants
 - Multi-mic far-field detection and echo cancellation

Modem

- Snapdragon X15 LTE modem
- Downlink: LTE Cat 15 up to 800 Mbps, 3x20 MHz carrier aggregation, up to 256-QAM, up to 4x4 MIMO on two aggregated carriers
- Uplink: LTE Cat 13 up to 150 Mbps, 2x20 MHz carrier aggregation, up to 64-QAM
- Supported Cellular Technologies: LTE FDD, LTE TDD, WCDMA (DC-HSDPA, HSUPA), TD-SCDMA, EVDO, CDMA 1x, GSM/EDGE
- Licensed-Assisted Access (LAA)
- Dual SIM Dual VoLTE (DSDV)
- VoLTE with SRVCC to 3G and 2G, HD and Ultra HD Voice (EVS), CSFB to 3G and 2G
- Wi-Fi calling with call continuity between LTE and Wi-Fi

Wi-Fi & Bluetooth

- FastConnect 6200 Subsystem
 - Wi-Fi Standards: 802.11ax-ready, 802.11ac Wave 2, 802.11a/b/g/n
 - Wi-Fi Spectral Bands: 2.4 GHz, 5 GHz
 - Channel Utilization: 20/40/80 MHz
 - MIMO Configuration: 2x2

- 8-stream sounding, MU-MIMO
- Target Wake Time (TWT)
- Wi-Fi Security: WPA3-Enterprise, WPA3-Enhanced Open, WPA3 Easy Connect, WPA3-Personal
- Integrated Bluetooth
 - Bluetooth version: 5.1
 - Bluetooth audio: Qualcomm TrueWireless™ Technology, aptX Adaptive

Camera

- Qualcomm Spectra 350L Image Signal Processor
- Dual 14-bit ISPs
- Up to 192 MP Photo Capture
- Up to 16 MP dual camera with Zero Shutter Lag and Multi-Frame Noise Reduction
- Up to 32 MP single camera with Zero Shutter Lag and Multi-Frame Noise Reduction
- Up to 48 MP with Multi-Frame Noise Reduction
- 4K Video Capture @ 30 FPS
- HEIF: HEIC photo capture, HEVC video capture

Audio

- Qualcomm Aqstic™ audio codec (WCD9385)
 - Total Harmonic Distortion + Noise (THD+N), Playback: -108 dB
 - Native DSD support
 - Customizable “Golden Ears” filter
- Low power audio subsystem
 - DSP offload for low power audio playback (Bluetooth, USB digital, analog out)

Display

- On-Device Display Support:
 - FHD+ (2520 x 1080 @ 90/120 Hz)
- Up to 10-bit color depth
- HDR10 for internal panel

CPU

- Kryo 465, Octa-core CPU
- Up to 2.3 GHz
- 64-bit architecture

Visual Subsystem

- Adreno 618 GPU
- Support for true HDR10 gaming
- HDR10 and HLG Video Playback (10-bit color depth, Rec. 2020 color gamut)
- H.264 (AVC), H.265 (HEVC) VP8 and VP9 playback
- API Support: OpenGL® ES 3.2, OpenCL™ 2.0 FP, Vulkan® 1.1

Security

- Biometric Authentication: Fingerprint, Iris, Voice, Face
- On-Device: Qualcomm® Mobile Security, Key Provisioning Security, Qualcomm® Processor Security, Qualcomm® Content Protection, Qualcomm® Trusted Execution Environment, Camera Security, Peripheral Security, Connection Security, Crypto Engine, Qualcomm® Malware Protection, Secure Boot, Secure Token

Charging

- Qualcomm® Quick Charge™ 4.0 technology
- Quick Charge AI

Location

- GPS, Glonass, BeiDou, Galileo, QZSS, and SBAS
- NavIC support
- Dual-Frequency GNSS (L1 + L5)
- Qualcomm Sensor-Assisted Positioning

General Specifications

- Storage: eMMC, UFS 2.1
- Memory Type: 2x16 LP4x 1866, 8 GB
- Near Field Communications (NFC) support
- USB Type-C support
- 8 nm Process Technology
- Part Number: SM7125