



732G

The Qualcomm® Snapdragon™ 732G Mobile Platform delivers smooth, true-to-life gaming backed by seamless AI and stepped-up performance, including an upgraded GPU and CPU. Strong connectivity and vivid camera capabilities complete this platform—perfect for gamers and creatives alike.



Smooth, true-to-life gaming

Get lost—or find your foe—in hyper-realistic virtual arenas. An improved GPU and select Qualcomm® Snapdragon Elite Gaming™ features team up to reduce jank and stutter for smooth moves in every melee. Compete in over a billion shades of color with True HDR gaming, and navigate fluidly around lifelike objects and textures with Physically Based Rendering.

- Upgraded Qualcomm® Adreno™ 618 GPU for enhanced graphics rendering
- Select Snapdragon Elite Gaming features include Qualcomm® Game Jank Reducer, Vulkan® 1.1 Graphics Driver, True HDR, and anti-cheat extensions



Stepped-up performance

Our upgraded Adreno GPU is joined by an enhanced CPU with speeds up to 2.3 GHz for seamless gaming and multi-tasking. Plus, accelerated H.265 and VP9 codecs have 7x the power savings, so you can watch or edit videos with abandon. Compete, consume, or chronicle: this platform has the power and efficiency to fuel your passions.

- The Qualcomm® Kryo™ 470 CPU is built for high-performance computing while using less power
- Get back to gaming quicker with Qualcomm® Quick Charge™ 4+ Technology
- The 8nm processor and Qualcomm® Hexagon™ 688 Processor enable smooth interactions and exceptional efficiency



Smart, seamless interactions

Game smarter, not harder. Our Qualcomm® Hexagon™ Vector Accelerator and Hexagon Tensor Accelerator enable seamless, immersive gaming with less lag. Meanwhile, the always-on voice assistant enhanced by the Qualcomm Aqstic™ audio codec and Qualcomm® Voice Assistant Accelerator provides instant access to your voice assistant—so teammates can hear you loud and clear.

- 4th gen Qualcomm® Artificial Intelligence (AI) Engine
- Qualcomm Aqstic audio codec and Qualcomm Voice Assistant Accelerator provide cutting-edge audio and voice processing



Strong connectivity

Connect and conquer in an instant, whether at home or in crowded arenas. The Snapdragon X15 LTE Modem offers download speeds up to 800 Mbps for near-instant access to new games and apps, plus smooth streaming and sharing. And, this platform is Wi-Fi 6-ready for low-latency gaming, even with multiple devices connected to one router.

- Snapdragon X15 LTE Modem supports 3-carrier aggregation and 4x4 MIMO on two carriers
- Qualcomm® FastConnect™ 6200 sub-system supports key Wi-Fi 6 features for improved performance and efficiency, despite congestion



Vivid camera capabilities

Take a break from gaming to capture real-world adventure. Record stunning 4K HDR video, take the scenic route with 720p slo-mo at 240 fps, or remember every striking detail with up to 192 MP photo capture. Then, store it all efficiently in HEIF format. Plus, the Computer Vision ISP (CV-ISP) delivers up to 4x power savings, so your creativity knows no bounds.

- Qualcomm Spectra™ 350 Processor brings pro-grade imagery to mobile devices
- 4K HDR video capture includes Portrait Mode, Cinemagraph Video, and Object Segmentation
- HEIF stores photos and videos at half the size of traditional file formats

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

All comparisons made are in reference to previous generation, Snapdragon 730G mobile platform. Results will vary depending on OEM implementation and other factors.

Qualcomm Snapdragon, Qualcomm Kryo, Qualcomm Hexagon, Qualcomm Adreno, Qualcomm Snapdragon Elite Gaming, Qualcomm Game Jank Reducer, Qualcomm AI Engine, Qualcomm Aqstic, Qualcomm FastConnect, Qualcomm Voice Assistant Accelerator, Qualcomm Quick Charge and Qualcomm Spectra are products of Qualcomm Technologies Inc. and/or its subsidiaries.



SPECIFICATIONS & FEATURES

Qualcomm AI Engine

- Adreno 618 GPU
- Kryo 470 CPU
- Hexagon 688 Processor
 - Hexagon Vector eXtensions
 - Hexagon Tensor Accelerator
 - Hexagon Voice Assistant Accelerator
- Qualcomm® Sensing Hub
- Qualcomm® Neural Processing SDK

Modem

- Snapdragon X15 LTE Modem
- Support for 800 Mbps LTE
- Downlink: LTE Cat 15 up to 800 Mbps, 3 x 20 MHz carrier aggregation, up to 256-QAM, up to 4 x 4 MIMO on two aggregated carriers
- Uplink: LTE Cat 13 up to 150 Mbps, Qualcomm® Snapdragon™ Upload+ (2 x 20 MHz carrier aggregation, up to 64-QAM)
- Dual SIM Dual VoLTE (DSDV)
- Qualcomm® All Mode with support for all major cellular modes plus LAA. Support for:
 - VoLTE with SRVCC to 3G and 2G, HD and Ultra HD Voice (EVS), CSFB to 3G and 2G
 - Voice over Wi-Fi (VoWiFi) with LTE call continuity

Wi-Fi & Bluetooth

- FastConnect 6200 Subsystem
 - Wi-Fi Standards: Wi-Fi 6-ready (802.11ax-ready), 802.11ac Wave 2, 802.11a/b/g, 802.11n
 - Wi-Fi Spectral Bands: 2.4 GHz, 5 GHz
 - Channel Utilization: 20/40/80 MHz
 - MIMO Configuration: 2x2 (2-stream) with MU-MIMO
 - 8-stream sounding (for 8x8 MU-MIMO)
 - Dual-band simultaneous (DBS)
 - Wi-Fi Security: WPA3-Enterprise, WPA3-Enhanced Open, WPA3 Easy Connect, WPA3-Personal
 - Target Wake Time (TWT)
- Integrated Bluetooth
 - Bluetooth version: 5.1
 - Bluetooth audio: Qualcomm TrueWireless™ Technology, Qualcomm® aptX™ Adaptive audio

Camera

- Qualcomm Spectra 350 Image Signal Processor
- Hardware accelerator for computer vision (CV-ISP)
- HEIF photo capture
- Dual 14-bit ISPs
- Dual camera: up to 22 MP, MFNR, ZSL, 30 fps
- Single camera: up to 36 MP, MFNR, ZSL, 30 fps
- Single camera: up to 48 MP, MFNR
- Single camera: up to 192 MP
- Video capture:
 - Standard: up to 4K HDR at 30 fps, 10-bit Rec. 2020 color gamut for HDR10 video
 - Slow motion: up to 1080p at 120 fps or 720p at 240 fps
- Rec. 2020 color gamut video capture
- Up to 10-bit color depth video capture
- Multi-Frame Noise Reduction (MFNR)
- Video Capture Formats: HDR10, HLG
- 4K HDR Video Capture with Portrait Mode
- Dual phase detection (2PD) sensors
- Real-time object classification, segmentation and replacement

Audio

- Low-power audio subsystem with AI
- Qualcomm Voice Assistant Accelerator for advanced voice use cases
 - Always-on echo cancellation and noise suppression
- Qualcomm Aqstic audio codec (up to WCD9341) and speaker amplifier (up to WSA8815)
 - Native DSD support, PCM up to 384 kHz/32-bit
 - Supports two wake words simultaneously
- aptX Adaptive audio technology
- Qualcomm TrueWireless Stereo Plus technology

Display

- Maximum On-Device Display Support: QHD+ (3360 x 1440)
- Maximum External Display Support: UHD (3840 x 2160)
- Support for HDR displays
- Qualcomm® Low Power Picture Enhancement
- Qualcomm® True Palette Display Feature

CPU

- Kryo 470, Octa-core CPU
- Up to 2.3 GHz
- 64-bit Architecture
- 8nm Process Technology

Visual Subsystem

- Adreno 618 GPU
- Support for true HDR10 gaming
- Vulkan® 1.1 API support
- 4K HDR10 PQ and HLG Video Playback (10 bit color depth, Rec. 2020 color gamut)
- H.264 (AVC), H.265 (HEVC) VP8 and VP9 playback
- Physically Based Rendering
- API Support: OpenGL® ES 3.2, OpenCL™ 2.0 FP, Vulkan 1.1, DirectX 12

RF Front-End

- Qualcomm® Adaptive Antenna Tuning
- Qualcomm® Envelope Tracking
- Qualcomm® Signal Boost adaptive antenna tuning
- High-power transmit (HPUE)

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, Crypto Engine, Malware Protection, Secure Boot, Secure Token

General Specifications

- Select Snapdragon Elite Gaming features
- Memory Speed: up to 1866 MHz, 8 GB RAM
- Memory type: 2 x 16-bit LPDDR4/4x
- GPS, Glonass, BeiDou, Galileo, QZSS, and SBAS
- Low Power Geofencing and Tracking, Sensor-assisted Navigation
- Near Field Communications (NFC) support
- DisplayPort over USB Type-C support
- Quick Charge 4+ technology
- Part number: SM7150-AC