



Snapdragon

480+ 5G mobile platform

The Snapdragon® 480+ 5G Mobile Platform is a 4-series showstopper, offering sped-up processing and truly global 5G for improved entertainment, communication, and productivity experiences for everyone. Faster on-device interactions and seamless performance from virtually anywhere designed to astound—and deliver high-quality experiences to more people than ever.



Truly global 5G entertainment

Dive into diversions from here, there, and everywhere with multi-gigabit connectivity that supports all key regions. Stream on-the-go, game from remote locations, or share from crowded arenas. Plus, communicate in real-time with friends, family, and followers across the world. This 5G is truly global, truly accessible, and truly astonishing.

- Snapdragon X51 5G Modem-RF System
- Support for both mmWave and Sub-6 GHz frequencies
- Support for SA and NSA modes, plus TDD, FDD, and Dynamic Spectrum Sharing (DSS)



Boosted performance

This Snapdragon leaps ahead of its peers, harnessing the power of best-in-series technology. Our re-architected CPU offers fast on-device interactions and flawless app performance, while the GPU delivers strikingly smooth graphics. And with Qualcomm® Quick Charge™ 4+ Technology, the action never stops for long. Immerse yourself in smooth gameplay, seamless streaming, advanced photography, and more—without a hitch.

- Upgraded Qualcomm® Kryo™ 460 CPU delivers speeds up to 2.2 GHz
- Qualcomm® Adreno™ 619 GPU fastest in the 4-series
- Efficient 8nm process preserves power



More ways to play

Make the most of your favorites with tier-defying capabilities. Our triple ISP enables up to 64 MP photos plus triple concurrent capture—made pro-quality with AI enhancements. Display support up to 120 FPS FHD+ combines with Qualcomm® aptX™ Audio for fully immersive games, movies, and shows. And with multi-gigabit connectivity, entertainment knows no bounds.

- Qualcomm Spectra™ 345 ISP for simultaneous triple capture
- Low Light capture
- Fastest Qualcomm® AI Engine in the 4-series



Sensational connectivity

Extra-fast and robust connectivity empowers every move. Truly global 5G delivers lag-free gaming, live streaming, and navigating, while 2x2 Wi-Fi with advanced features offers reliable speed and enhanced capacity—even with multiple users on the same network. Plus, experience pristine, interruption-free video calls with AI-backed noise cancellation.

- Qualcomm® FastConnect™ 6200 System with 2x2 Wi-Fi
- Dual-frequency GPS with NavIC
- AI-based echo cancellation and background noise suppression

To learn more visit
snapdragon.com

All comparisons made are in reference to previous generation. Results will vary depending on OEM implementation and other factors. Battery life varies significantly based on device, setting, usage, and other factors.

Snapdragon, Qualcomm Quick Charge, Qualcomm Kryo, Qualcomm Adreno, Qualcomm aptX, Qualcomm Spectra, Qualcomm AI Engine, and Qualcomm FastConnect are products of Qualcomm Technologies, Inc. and/or its subsidiaries.

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SPECIFICATIONS & FEATURES

Qualcomm Artificial Intelligence (AI) Engine

- Qualcomm® Adreno™ 619 GPU
- Qualcomm® Kryo™ 460 CPU
- Qualcomm® Hexagon™ 686 Processor
 - Hexagon Vector eXtensions
 - Hexagon Scalar Accelerator
- Qualcomm® Sensing Hub
 - Ultra low power hub for audio, voice and sensors
 - Supports multiple hardware accelerated always-on voice assistants
 - Multi-mic far-field detection and echo cancellation

5G Modem-RF System

- Snapdragon X51 5G Modem-RF System – Modem to antenna integrated system for 5G multimode
- 5G mmWave and sub-6 GHz, standalone (SA) and non-standalone (NSA) modes, FDD, TDD
- Dynamic Spectrum Sharing
- mmWave: 200 MHz bandwidth, 2x2 MIMO
- Sub-6 GHz: 100 MHz bandwidth, 4x4 MIMO
- Qualcomm® 5G PowerSave
- Qualcomm® Smart Transmit™ technology
- Qualcomm® Wideband Envelope Tracking
- Qualcomm® AI-Enhanced Signal Boost
- Global 5G multi-SIM
- Downlink: Up to 2.5 Gbps (5G), 800 Mbps (LTE)
- Uplink: Up to 1.5 Gbps (5G), 210 Mbps (LTE)
- Multimode support: 5G NR, LTE including CBRS, WCDMA, HSPA, TD-SCDMA, CDMA 1x, EV-DO, GSM/EDGE

Wi-Fi & Bluetooth®

- Qualcomm® FastConnect™ 6200 System
 - Wi-Fi Standards: 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: 5.2
 - Bluetooth audio: Qualcomm TrueWireless™ Technology, Qualcomm® aptX™ Adaptive Audio

Camera

- Qualcomm Spectra™ 345 Image Signal Processor
- Triple 12-bit ISPs
- Up to 64 MP Photo Capture
- Up to 13 MP triple camera with 30 FPS Zero Shutter Lag and Multi-Frame Noise Reduction
- Up to 25 MP + 13 MP dual camera with 30 FPS Zero Shutter Lag and Multi-Frame Noise Reduction
- 1080p Single Video Capture @ 60 FPS
- 1080p Dual Video Capture @ 30 FPS
- 720p Triple Video Capture @ 30 FPS
- HEIC photo capture
- H.264 (AVC) and H.265 (HEVC) video capture
- Slow Motion video capture 720p @ 120 FPS

Audio

- Low Power Audio Subsystem
- Qualcomm® AI-based Echo Cancellation and Noise Suppression
- Snapdragon® Voice Activation
- Total Harmonic Distortion + Noise (THD+N), Playback: -108dB
- Hi-Fi Audio with up to 384 kHz/32-bit
- Qualcomm Aqstic™ smart speaker amplifier (up to WSA8831)
- Qualcomm Aqstic™ audio codec (up to WCD9385)

Display

- On-Device Display Support:
 - FHD+ (1080 x 2520 @ 120 Hz)
 - HD+ (900 x 1600 @ 120 Hz)

CPU

- Kryo 460, Octa-core CPU
 - Up to 2.2 GHz
 - 64-bit architecture

Visual Subsystem

- Adreno 619 GPU
- H.264 (AVC), H.265 (HEVC) VP8 and VP9 playback
- API Support: OpenGL® ES 3.2, OpenCL™ 2.0, Vulkan® 1.1

Security

- Platform Security Foundations: Secure Boot, Debug Security, HW Crypto Cores, HW/SW Key Management, HW/SW storage security, Peripherals Security
- Trusted Execution Environment and Services:
 - Qualcomm® Trusted Execution Environment (TEE)
 - Qualcomm® Content Protection (Widevine™ V16), Camera Security Framework, Trusted UI Framework
- Qualcomm® wireless edge services (WES): Chip-to-Cloud services to establish and maintain device trust.
 - Qualcomm® WES Attestation Service

Charging

- Quick Charge 4+ technology

Location

- GPS, GLONASS, BeiDou, Galileo, NavIC, QZSS
- Dual-Frequency GNSS (L1 + L5)
- Qualcomm® Sensor-Assisted Positioning

General Specifications

- Memory: 2x16 LP4x @ 2133 MHz
- Storage: eMMC 5.1, UFS 2.2
- Near Field Communications (NFC) support
- USB Type-C support
- 8nm Process Technology
- Part number: SM4350-AC

Certain optional features available subject to Carrier and OEM selection for an additional fee.

Qualcomm Hexagon, Qualcomm 5G PowerSave, Qualcomm Smart Transmit, Qualcomm Wideband Envelope Tracking, Qualcomm AI-Enhanced Signal Boost, Qualcomm TrueWireless, Qualcomm Spectra, Qualcomm Aqstic, Qualcomm Mobile Security, Qualcomm Processor Security, Qualcomm TEE, Qualcomm Malware Protection, Qualcomm Content Protection, Qualcomm WES, Qualcomm WCD9385, and Qualcomm Sensor-Assisted Positioning are products of Qualcomm Technologies, Inc. and/or its subsidiaries.

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