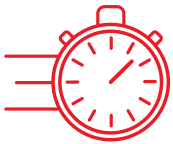# SNAPDRAGON® 4 GEN 2 MOBILE PLATFORM

Be delighted with all that the Snapdragon® 4 Gen 2 Mobile Platform provides. Packed with purpose, it delivers impressively smooth performance for effortless, all-day use. Enjoy CPU speeds up to 2.2 GHz and sharp photography and videography for those picture-perfect moments. Plus, it's backed by speedy 5G and Wi-Fi connectivity with extended battery life for mobile experiences that delight, anywhere.

Smooth performance

Take control of your day with fast, seamless multitasking and app usage, backed by enhanced processing and upgraded storage. Say goodbye to lags thanks to a rapid-fire 120 FPS display, making mobile gaming more immersive. Plus, on-device AI provides next-level communication by reducing background noise, so you're heard loud and clear during voice and video calls.

- Qualcomm® Kryo™ CPU offers up to 10% better performance and up to 2.2 GHz peak speeds
- Upgraded memory UFS 3.1 for faster data processing

Sharp photography and videography

Capture meaningful memories with a high-quality camera in your back pocket. Intelligent noise reduction eliminates grainy, hazy aspects within the frame for striking results. Faster autofocus lets you snap crystal-clear action shots without frustrating blur. And AI-enhanced Low Light brings about bright, colorful, crisp photos and videos—any time of day.

- Qualcomm Spectra™ ISP offers concurrent multi-camera photo and video capture
- Noise reduction in videos for better video quality
- Blur reduction for clearer images, even with moving subjects

Speedy 5G and Wi-Fi

Snapdragon is making 5G more accessible—for everyone. With swift 5G connections, lower latency power efficiency, and widespread coverage, you can stream, browse, and share in real-time—no matter where you go. Plus, get reliable and robust connections at home or over public networks in train stations, cafes, and more thanks to Qualcomm® Wi-Fi 5.

- Snapdragon® X61 5G Modem-RF System with downlink speeds up to 2.5 Gbps
- First-in-series 3GPP Release 16 5G

Long-lasting battery

Added efficiency keeps your battery going for as long as you do. When you need a charge, fast-charging technology takes your battery from 0 to 50% in just 15 minutes.*

- First 4 nm processing node in the Snapdragon 4 series for sensational power savings
- Qualcomm® Quick Charge™ 4+ Technology

Precise location tracking

Adventure confidently with ultra-accurate location tracking as your guide. Dual frequency GNSS support offers increased location tracking accuracy for navigation by foot or car. Plus, NavIC supports positioning capabilities for congested urban areas.

- Dual Frequency GNSS (L1 and L5) support
- Qualcomm® Sensor-Assisted Positioning

SPECIFICATIONS & FEATURES

5G Modem-RF System

Snapdragon® X61 5G Modem-RF System

Sub-6 GHz, standalone (SA) and non-standalone (NSA) modes, FDD, TDD

Dynamic Spectrum Sharing

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

Uplink: Up to 900 Mbps

Multimode support: 5G NR, LTE, EN-DC, CBRS, WCDMA, HSPA, CDMA 1x, EVDO, GSM/EDGE

Wi-Fi & Bluetooth®

Qualcomm® Wi-Fi 5

- Wi-Fi generation: Wi-Fi 5
- Standards: 802.11ac, 802.11a/b/g/n
- Wi-Fi spectral bands: 2.4 GHz, 5 GHz
- Channel bandwidth: 20/40/80 MHz
- Wi-Fi security: WPA3-Enterprise, WPA3-Enhanced Open, WPA3 Easy Connect, WPA3-Personal

Integrated Bluetooth

- Bluetooth version: 5.1

Camera

Qualcomm Spectra™ Image Signal Processor

Dual 12-bit ISPs

Up to 16 MP + 16 MP dual camera with 30 FPS Zero Shutter Lag

Up to 32 MP single camera with 30 FPS Zero Shutter Lag

Up to 108 MP photo capture

1080p single video capture @ 60 FPS

1080p dual video capture @ 30 FPS

HEIC photo capture

H.264 (AVC) and H.265 (HEVC) video capture

Slow-motion video capture 720p @ 120 FPS

Audio

Qualcomm Aqstic™ audio codec

Qualcomm Aqstic smart speaker amplifier

Qualcomm® aptX™ audio

Display

On-device display support:

- FHD+ @ 120 Hz
- HD+ (900 x 1600 @ 120 Hz)

CPU

Kryo CPU

- 64-bit architecture
- 2 performance cores, up to 2.2 GHz
- 6 efficiency cores, up to 2 GHz

Visual Subsystem

Qualcomm® Adreno™ GPU

- API support: OpenGL® ES 3.2, OpenCL™ 2.0, Vulkan® 1.1
- Hardware-accelerated H.265 and VP9 decoder

Security

Platform security foundations, Trusted Execution Environment, and services:

- Qualcomm® Trusted Execution

Environment (TEE)

Qualcomm® wireless edge services (WES)

- Qualcomm® Attestation Services

Location

GPS, GLONASS, BeiDou, Galileo, NavIC, QZSS

Dual-frequency GNSS (L1 + L5)

Qualcomm® Sensor-Assisted Positioning

- Vehicular and pedestrian navigation accuracy

Charging

Qualcomm® Quick Charge™ 4+ technology

Memory

Support for LP-DDR5x memory up to 3200 MHz

Support for LP-DDR4x memory up to 2133 MHz

General Specifications

4 nm Process Technology

USB 3.2 Gen 1; USB Type-C

Storage: UFS 3.1 2-Lane

Part Number: SM4450