



## Snapdragon® 4s Gen 2 Mobile Platform

The Snapdragon 4s Gen 2 Mobile Platform is a **catalyst for change**. Through cutting-edge engineering, this platform makes **Gigabit 5G** more attainable—reshaping the way the world connects, interacts, and thrives. **Resilient performance** provides all-day battery life for **reliable entertainment** and a skilled camera lets you capture all your special memories. This platform empowers you to reach higher, bringing you the power and promise of Snapdragon.

### Gigabit 5G

Imagine the possibilities with 5G at your fingertips. Get the latest news and insights, communicate with loved ones, or make mobile payments with solid connectivity backing your every move. Built-in efficiency means living up to your potential all day long, while improved location accuracy enables seamless navigation so you're always ahead of the hustle.

- 5G Modem-RF System with 1 Gbps peak speeds
- 7x faster compared to Cat4 LTE peak speeds\*
- Dual-frequency GPS with NavIC L1+L5 for improved location accuracy
- Switch easily from 5G to Qualcomm® Wi-Fi 5
- Support for Bluetooth® 5.1

### Resilient performance

Live boldly and confidently with enhanced power savings providing reliable, all-day use. Share files, photos, and footage in real-time or accomplish your to-do list with focused productivity. All-day battery life paves the way for more creativity, connection, and capabilities. And with new-in-series 40W fast charging, you're always at the forefront of a fast-paced world.

- Efficient 4nm process node delivers enhanced power savings
- Qualcomm® Quick Charge™ 4+ Technology powers up to 50% battery life in just 15 minutes
- Qualcomm® Kryo™ CPU delivers peak speeds up to 2 GHz
- Upgraded UFS 3.1 memory offers faster data processing, app usage, and overall performance

### Skilled camera

Your moments matter, so make them count. Snap crisp photos or film smooth videos of any subject, in any setting. Plus, harness the Qualcomm Spectra™ 12-bit dual ISP to capture concurrent photos and videos of your greatest achievements, from work triumphs and passion projects to family milestones. This capable mobile camera is always at the ready—and now, so are you.

- Up to 84 MP single-shot capture for great detail and clarity
- Video Image Stabilization reduces blurriness caused by small movements during capture
- Multi-Frame Noise Reduction combines multiple shots for sharpest results

### Reliable entertainment

Joy awaits you at every turn. Tune into chart-topping hits distortion-free—directly from your device—and speak confidently with AI-powered Voice Activation that discerns your voice while canceling out background noise. Plus, gaming unfolds smoothly and stutter-free. Whether you're dancing to the latest album or streaming content on your commute, entertainment is effortless.

- Support for FHD+ displays at 90 FPS
- Q-Sync automatically synchronizes display rate and game frame rate
- High-res 96 kHz music streaming with Qualcomm® aptX™ Adaptive, plus super wideband voice calls powered by aptX Voice
- Qualcomm Aqstic™ audio codec with best-in-class Total Harmonic Distortion and low signal-to-noise ratio for authentic audio reproduction
- Qualcomm® Audio and Voice Communication Suite offers convenient voice activation—even in noisy environments



# Specs & Features

## 5G Modem-RF System

Snapdragon® 5G Modem-RF System

Sub-6 GHz, 5G standalone (SA) FDD, TDD

Sub-6 GHz: 100 MHz bandwidth, 2x2 MIMO

Downlink: Up to 1 Gbps

Multimode support: 5G NR, LTE, CBRS, WCDMA, HSPA, 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 5.1 wireless technology

## Camera

Qualcomm Spectra™ Image Signal Processor

- Dual 12-bit ISPs

Up to 13+13 MP dual camera with 30 FPS Zero Shutter Lag

Up to 25 MP single camera with 30 FPS Zero Shutter Lag

Up to 84 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

Multi-Frame Noise Reduction (MFNR)

Motion Compensation Temporal Filter (MCTF) for video

Video Image Stabilization

Face detection

## Audio

Qualcomm Aqstic™ audio codec

Qualcomm Aqstic smart speaker amplifier

Qualcomm® aptX™ Adaptive audio @ 96 kHz

## Display

On-device display support:

- FHD+ @ 90 Hz

## CPU

Qualcomm® Kryo™ CPU

- 64-bit Architecture
- 2 Performance cores, up to 2 GHz
- 6 Efficiency cores, up to 1.8 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-DDR4x memory, up to 2133 MHz

## General Specifications

4nm Process Technology

USB 3.2 Gen 1; USB Type-C

Storage: UFS 3.1 2-Lane

Part Number: SM4635

