

Qualcomm® Snapdragon™ X60 5G Modem-RF System

Snapdragon X60 is the world's first 5nm-based 5G modem-RF system and first to aggregate mmWave and sub-6 spectrum to lift the 5G performance floor for operators worldwide.

Snapdragon X60 5G Modem-RF System is our third generation 5G solution built to enhance global 5G performance in premium smartphones. Snapdragon X60 supports virtually every available 5G network and offers ultimate flexibility for operators to maximize available spectrum resources to bring you the fastest 5G possible. With global multi-SIM and Voice-over-NR support, Snapdragon X60 gives you a future-ready 5G phone for virtually any 5G network, anywhere.

Snapdragon X60 features the world's first 5 nanometer 5G baseband so you can enjoy blazing fast 5G apps with all-day battery life*. The tightly integrated, intelligent modem-RF system features an arsenal of advanced technologies designed to deliver cutting-edge data speeds, latency, coverage and battery life.



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Materials are subject to change without notice.
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Highlights

Ultimate operator flexibility

World's first solution for mmWave-sub6 aggregation, extensive carrier aggregation and dynamic spectrum sharing, allowing tremendous operator flexibility to deploy unprecedented peak speeds with available spectrum resources.



Superior coverage

Snapdragon X60 offers extensive deployment options such as mmW-sub6 aggregation, sub-6 carrier aggregation across TDD and FDD, Dynamic Spectrum Sharing, as well as a suite of advanced modem-RF technologies to enable wider, more reliable and stable indoor and outdoor 5G.



Better power efficiency

Snapdragon X60 5G Modem-RF System combines the power benefits of the world's first 5nm 5G baseband and a tightly integrated modem-RF system, designed to support superior power efficiency and all-day battery life*.



Blazing fast 5G speeds

The Snapdragon X60 5G Modem-RF System is designed to achieve blazing fast 5G speeds with extensive support for mmWave and sub-6 spectrum aggregation and its suite of advanced modem-RF technologies that dynamically optimize transmit and receive paths to achieve cutting-edge real-world throughputs and latency that are more consistent and reliable.



*Battery life varies significantly based on device, settings, usage, and other factors.

To learn more visit: www.qualcomm.com/products/modems

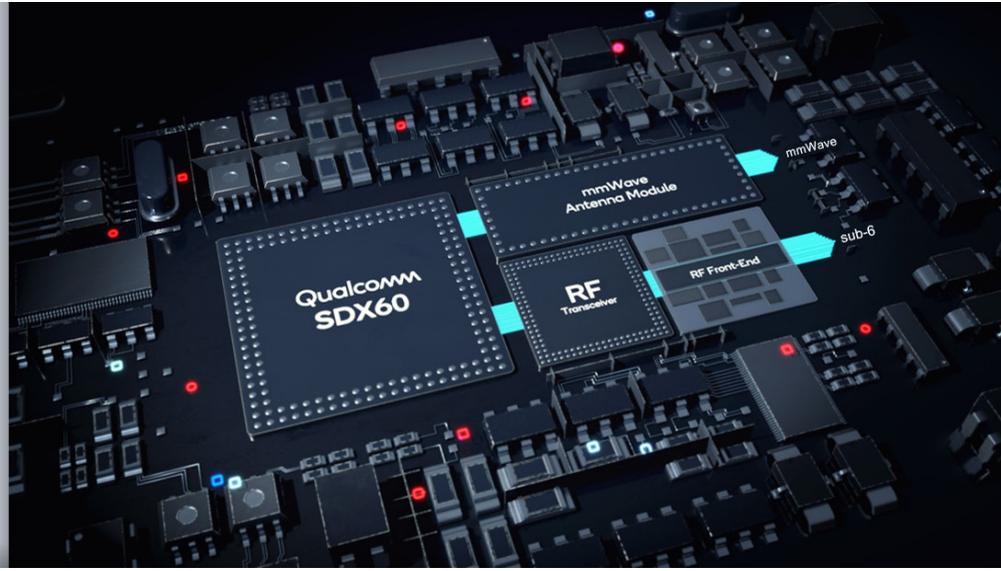
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X60 5G modem-RF system

Lifting the 5G performance floor for operators worldwide



Features

- World's first 5nm 5G baseband
- World's first solution for 5G mmWave-sub6 aggregation
- World's first sub-6 carrier aggregation across FDD, TDD
- Supports any key 5G band, mode or combination

Specifications

5G

5G Chipset	Snapdragon X60 5G Modem-RF System
5G Technology	5G NR
5G Spectrum	mmWave-sub6 carrier aggregation, sub-6 carrier aggregation (FDD-TDD, FDD-FDD, TDD-TDD), Dynamic Spectrum Sharing (DSS), mmWave, sub-6 GHz
5G Modes	FDD, TDD, SA (standalone), NSA (non-standalone)
5G mmWave	800 MHz bandwidth, 8 carriers, 2x2 MIMO
5G sub-6 GHz	200 MHz bandwidth, 4x4 MIMO
5G Peak Download Speed	7.5 Gbps
5G Peak Upload Speed	3 Gps
5G SIM	5G Dual SIM support

Performance Enhancement Technologies:

Qualcomm® 5G PowerSave, Qualcomm® Smart Transmit™ technology, Qualcomm® Signal Boost, Qualcomm® RF Gaming Mode Boost, Qualcomm® Wideband Envelope Tracking

Cellular Technology

Cellular Technology	5G NR, LTE, WCDMA (DB-DC-HSDPA, DC-HSUPA), TD-SCDMA, CDMA 1x, EV-DO, GSM/EDGE
LTE Technology	LTE FDD, LTE TDD including CBRS support, LAA, LTE Broadcast
5G Technology	5G TDD, SA, 5G FDD, NSA

Qualcomm 5G PowerSave, Qualcomm Signal Boost, Qualcomm Smart Transmit, Qualcomm RF Gaming Mode Boost and Qualcomm Wideband Envelope Tracking are products of Qualcomm Technologies, Inc. and/or its subsidiaries

To learn more visit: www.qualcomm.com/products/modems

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