

Qualcomm

5G fixed wireless access platform gen 2

The new Qualcomm® 5G Fixed Wireless Access platform allows mobile operators to offer fixed internet broadband services over their 5G network infrastructure. This platform is powered by the Qualcomm® Snapdragon™ X65 5G Modem-RF System and features the 2nd-gen extended-range 5G mmWave with the Qualcomm® QTM547 mmWave antenna module, extended-range high power sub-6 GHz, the world's first sub-6 GHz support with eight receive (RX) antennas, and support for Qualcomm® Dynamic Antenna Steering technology. Plus, it includes a Reference Design, allowing manufacturers to make 5G fixed wireless access devices quickly and cost effectively.

Massive Capacity



The Qualcomm 5G Fixed Wireless Access Platform gen 2 is designed to deliver unprecedented 10 Gbps download peak speeds that will enable new use-cases and possibilities

Extended Coverage



This platform features the second generation extended-range QTM547 mmWave antenna module, extended-range high power 5G sub-6 GHz, and the world's first sub-6 GHz support with eight receive (RX) antennas which can help network operators expand their coverage across urban, suburban and rural environments.

Spectrum Flexibility



The Qualcomm 5G Fixed Wireless Access Platform gen 2 extends the flexibility offered to operators to increase attainable 5G fixed internet speeds and improve capacity with available spectrum. It offers advanced spectrum aggregation and dual connectivity capabilities such as mmWave-sub6 aggregation and unprecedented bandwidth aggregation for downlink and uplink.

Truly Global



With its high configurability, and its global 5G band support including the new n259, n53, n70, the Qualcomm 5G Fixed Wireless Access platform gen 2 is truly global solution that accommodate the requirements of every major region around the world.

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5G fixed wireless
access platform
Gen 2

Features

- World's first 10 Gigabit 5G
- World's first 4nm 5G baseband
- Second generation extended-range mmWave antenna module
- Extended-range high power 5G sub-6 GHz support
- World's first Sub-6 GHz with 8 receive antennas support for 5G FWA
- Second generation Qualcomm Fixed Wireless Access Platform reference design
- Qualcomm Dynamic Antenna Steering Technology
- Unmatched carrier aggregation and dual-connectivity support
- Global 5G band support including the new n259 (41 GHz), n70, and n53

Specifications

- Modem Name: Qualcomm Snapdragon X65 5G Modem-RF System
- mmWave Name: Qualcomm QTM547 mmWave antenna module
- 5G Spectrum: mmWave-sub6 aggregation, sub-6 carrier aggregation (FDD-TDD, FDD-FDD, TDD-TDD), Dynamic Spectrum Sharing (DSS), mmWave, sub-6 GHz
- 5G Modes: TDD, SA (standalone), NSA (non-standalone), FDD
- 5G mmWave: 1000 MHz bandwidth, 8 carriers, 2x2 MIMO
- 5G sub-6 GHz: 300 MHz bandwidth, 4x4 MIMO
- 5G Peak Download Speed: 10 Gbps
- 5G Peak Upload Speed: 3.7 Gbps
- mmWave Features: Qualcomm® Dynamic Antenna Steering, Wide Scan Angle, Dual-layer polarization in downlink and uplink, Beam tracking, Beam steering, Beam forming
- Performance Enhancement Technologies: Qualcomm® 5G PowerSave 2.0

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, Snapdragon, Qualcomm 5G Fixed Wireless Access, Qualcomm Dynamic Antenna Steering, and Qualcomm 5G PowerSave 2.0 are products of Qualcomm Technologies, Inc. and/or its subsidiaries.