

Qualcomm[®] 5G RAN Platforms



Introducing three additions to our Qualcomm 5G RAN Platforms portfolio



The Qualcomm 5G RAN Platforms are designed to power a new generation of flexible, virtualized and interoperable cellular networks worldwide. Adoption of this virtualized and interoperable model will make wireless infrastructure a new platform for innovation. The portfolio of 5G RAN platforms are designed to allow established and emerging network vendors to accelerate development and commercialization of vRAN equipment and features that address demand for an open, virtualized and interoperable cellular infrastructure marketplace for both public and private networks.



From Macro to Small Cells

The solutions offer scalable support for a wide range of infrastructure categories ranging from macro base stations with massive MIMO to small cells.



High performance Modem-RF

Designed for superior radio performance including high-power, high capacity operation, the Qualcomm 5G RAN Platforms feature a comprehensive 5G Modem-RF System including baseband, transceiver, front-end and antenna panels.



Enabling high performance virtualized products with integrated hardware acceleration

Flexible vRAN architecture with hardware accelerators for modem and fronthaul processing designed to enable high throughput and low latency network processing for enhanced power-efficiency and compact equipment designs.



Flexible, scalable, open interoperable interfaces

Support for all key 5G functional split options between Distributed Unit (DU) and Radio Unit (RU), to allow for the disaggregation of the RAN into standards-based and interoperable modular components.



Integrated Sub-6 and mmWave solution

Natively integrated Sub-6 GHz and mmWave concurrent baseband support in the Distributed Unit along with global support for 5G sub-6 GHz, mmWave and 4G bands in the Radio Unit.