



# Qualcomm® Immersive Home 214 Platform

**Qualcomm Immersive Home 214 Platform is a dual-band, 4-stream Wi-Fi 6 networking platform to power next generation home networking experiences.**

The next generation successor to our groundbreaking mesh networking platforms, Qualcomm Immersive Home Platforms are designed with novel modular architecture, advanced network packet processing, and next generation Wi-Fi 6 to deliver Gigabit-speed wireless performance to every room in the home with devices that fit in the palm of the hand.

For seamless roaming, Qualcomm Immersive Home Platforms offer band/node client steering, and advanced security safeguards across Wi-Fi 4, 5, 6 while supporting Qualcomm® Wi-Fi SON, the Wi-Fi Alliance's Wi-Fi CERTIFIED EasyMesh™ standard, and the OpenSync™ open-source software.

Plus, advanced Qualcomm® Multi-User Traffic Management technologies balance and support all the Wi-Fi connected devices in a modern smart home, while high-performance Bluetooth integration supports seamless onboarding and integration of advanced applications leveraging either connectivity technology.

## Highlights

### High-Performance Wi-Fi 6

Up to 4 spatial streams simultaneously supporting our differentiated Wi-Fi 6 feature portfolio including Qualcomm Multi-User Traffic Management with algorithmic optimizations for OFDMA in both the uplink and downlink across the 2.4 and 5GHz bands delivering corner-to-corner gigabit class connectivity.



### Advanced Intelligence

The Qualcomm Immersive Home 214 Platform delivers our signature network intelligence for powerful local computing and connectivity coexistence, centralizing smart home interfaces like voice assistance and emergent technologies like RF sensing to deliver a truly immersive smart home experience.



### Application Optimization

Utilizing innovative modular platform architecture, this platform is built to be small enough to go unnoticed, scalable in design to deploy densely for every size home, and powerful enough to support the demands of today's smart home network.





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## Features

- Qualcomm Multi-User Traffic Management provides advanced scheduling algorithms and buffering with universal uplink data support.
- Qualcomm® Wi-Fi Security Suite offers the most comprehensive WPA3 implementation coupled with state-of-the-art embedded crypto accelerators designed to provide secure transactions across a full range of Wi-Fi data touchpoints.
- Carrier-grade enhancements with open API porting for multi-source development.
- Mesh Wi-Fi options include Qualcomm Wi-Fi SON, the Wi-Fi Alliance's Wi-Fi CERTIFIED EasyMesh™ standard, and the OpenSync™ open-source software.
- Advanced powerful local computing using dual-core A53 processors paired with powerful network accelerators.

## Specifications

<b>CPU Clock Speed</b>	1.0GHz
<b>CPU Cores</b>	Dual-core Cortex-A53 Arm
<b>Wi-Fi Standards</b>	Wi-Fi 6, Wi-Fi 5, 802.11a/b/g/n
<b>Wi-Fi Spectral Bands</b>	2.4GHz, 5GHz
<b>Spatial Streams</b>	Up to 4
<b>Peak Speed</b>	Up to 3.0 Gbps*
<b>Wi-Fi Features</b>	160MHz channel support, OFDMA, MU-MIMO, TxBF, TWT, Qualcomm Wi-Fi SON, Wi-Fi Alliance's Wi-Fi CERTIFIED EasyMesh™
<b>Wi-Fi Security</b>	WPA3 Personal, WPA3 Enterprise, WPA3 Enhanced Open, WPA3 Easy Connect, WPA2, WPS, 802.11i security, AES-CCMP, AES-GCMP, PRNG, TKIP, WAPI2, WEP
<b>Flash</b>	NAND, SPI NOR
<b>Bluetooth</b>	Bluetooth 5.1
<b>Platform Extensions</b>	4G/5G FWA

\*Peak PHY rate

To learn more visit: [qualcomm.com](https://www.qualcomm.com)

Qualcomm Wi-Fi Security Suite is a product of Qualcomm Technologies, Inc. and/or its subsidiaries.

