

How Wi-Fi 7 defines next-generation experiences

Demands of the modern network

Surging Availability of High-Speed Broadband Access

66%



Fixed broadband households with fiber connection access¹

Real-time application use continues to dominate

82%



Video and gaming traffic²

Unprecedented diversity of connected devices

22



Total connected devices, U.S. avg.³

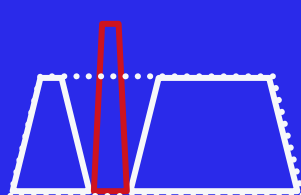
...enabled by new Wi-Fi 7 features

Faster Connections



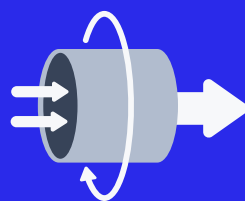
320MHz/240MHz channels & 4k QAM

Adaptive Connections



Adaptive Interference Puncturing

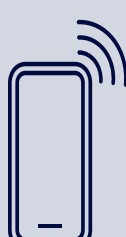
Multiple Connections



Wi-Fi Multi-Link Operation

...and Qualcomm Technologies' Multi-Link capabilities for peak performance

High Band Simultaneous Multi-Link



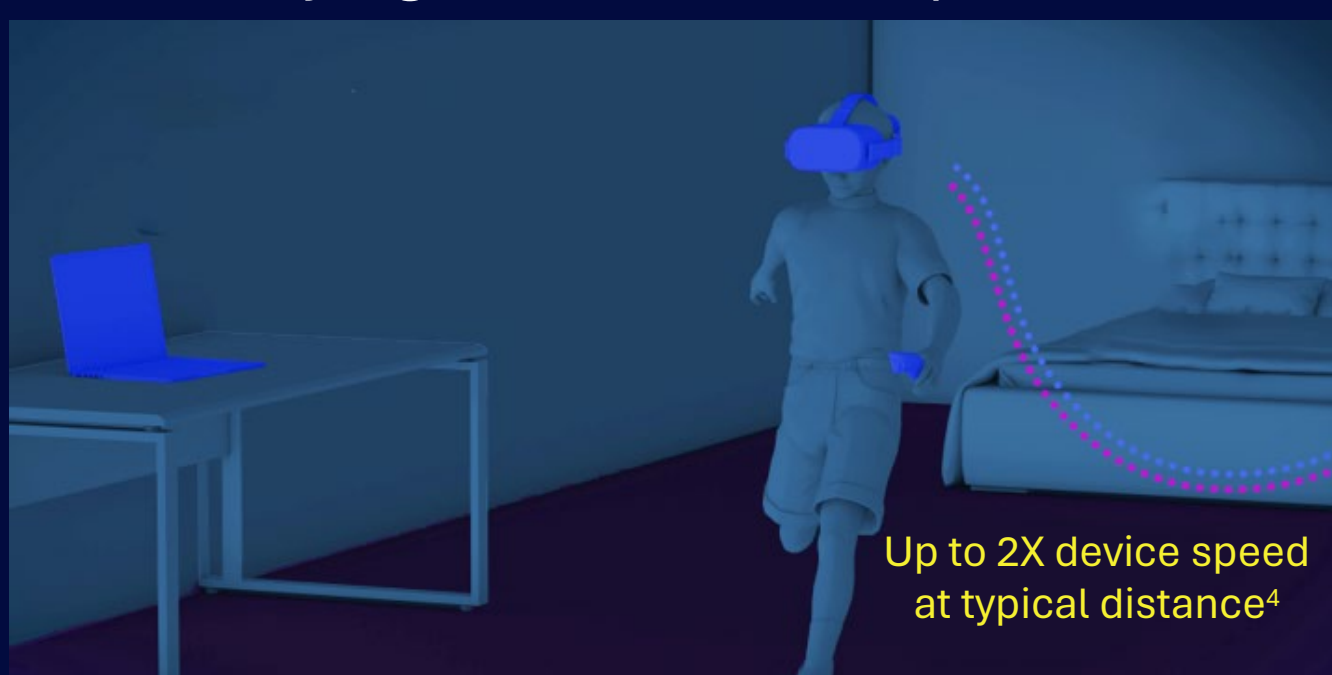
For clients

Qualcomm® Multi-Link Mesh



For mesh systems

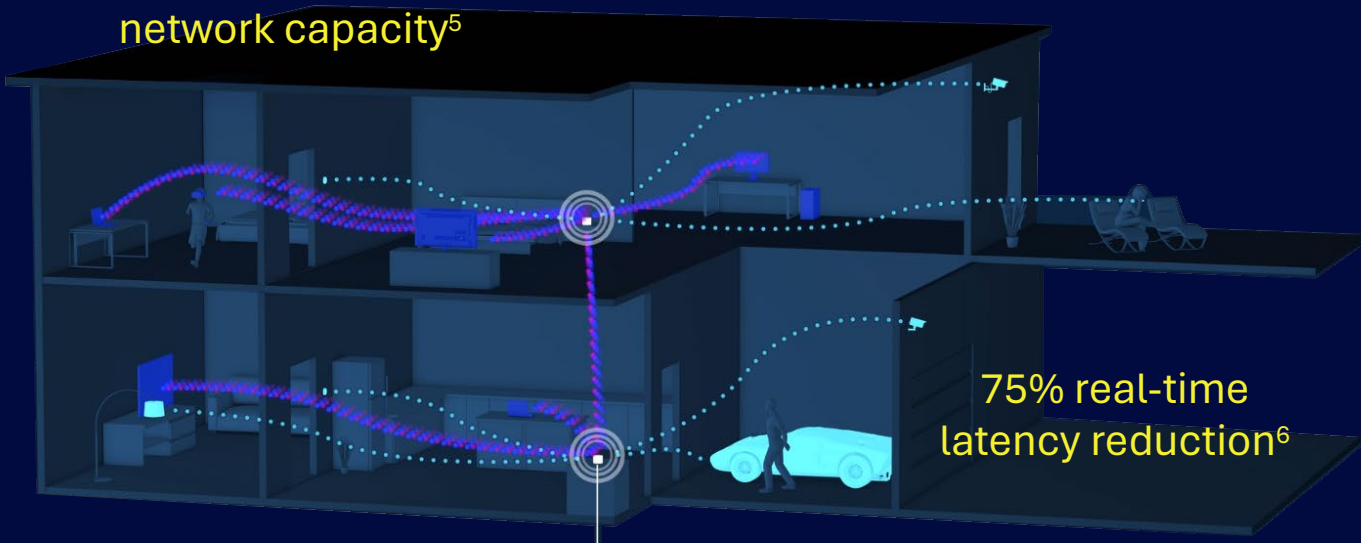
Virtually lag-free immersive experiences



Up to 2X device speed at typical distance⁴

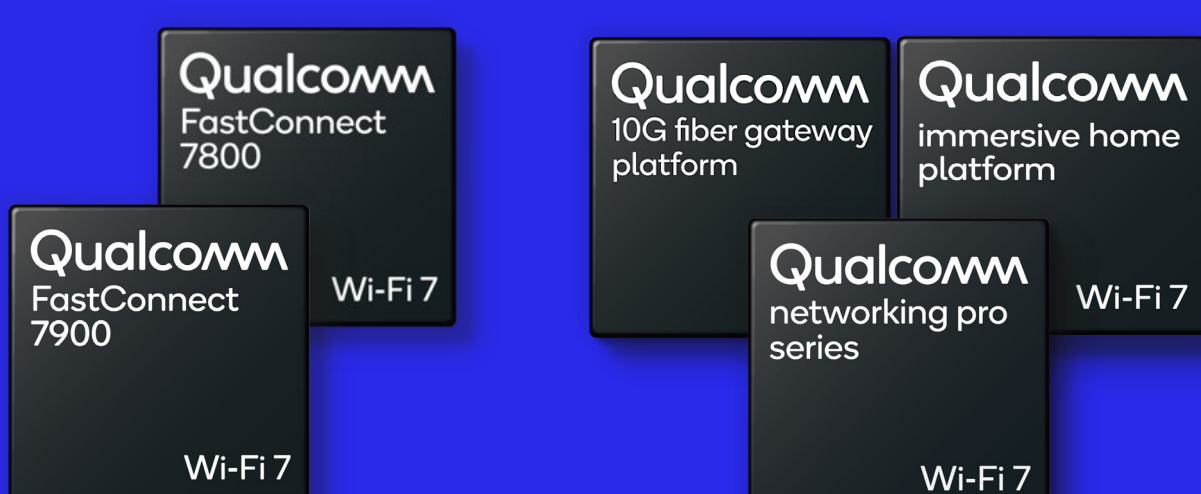
Multi-gig performance throughout the home

Up to 3.5X mesh network capacity⁵



75% real-time latency reduction⁶

A breakthrough in Wi-Fi performance



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1. PointTopic: <https://tinyurl.com/ye2b5jrc> | 2. Comcast: <https://tinyurl.com/5n6cn4mn> | 3. Deloitte: <https://tinyurl.com/7u7e485j>

4. Qualcomm Technologies analysis: Wi-Fi6/6E w/ dedicated 160MHz device connection to Wi-Fi 7 using 160+160 high band simultaneous connection

5. Qualcomm Technologies analysis: Wi-Fi6/6E w/ dedicated 160MHz backhaul vs. Wi-Fi7 using 240+320 Multi-Link Mesh backhaul

6. Qualcomm Technologies analysis: Wi-Fi6/6E w/ dedicated 160MHz backhaul to Wi-Fi7 using 240+320 Multi-Link Mesh backhaul, under 75% OBSS loading