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# 6GHz Wi-Fi: A Qualcomm Technologies Perspective

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# Global Wi-Fi leader

# #1

Global Wi-Fi  
Market Share <sup>1</sup>

# 5B+

Wi-Fi chipsets  
shipped since 2015 <sup>2</sup>



<sup>1</sup> Source: ABI Research, Q4'2021

<sup>2</sup> Source: Qualcomm Technologies, Inc.



Wi-Fi evolution  
is driving future  
applications



# Wi-Fi home in 2025



# Wi-Fi home in 2025



## Multi-player Gaming

- Requires unfettered connection
- Latency / jitter are unacceptable
- Two-way traffic adds congestion



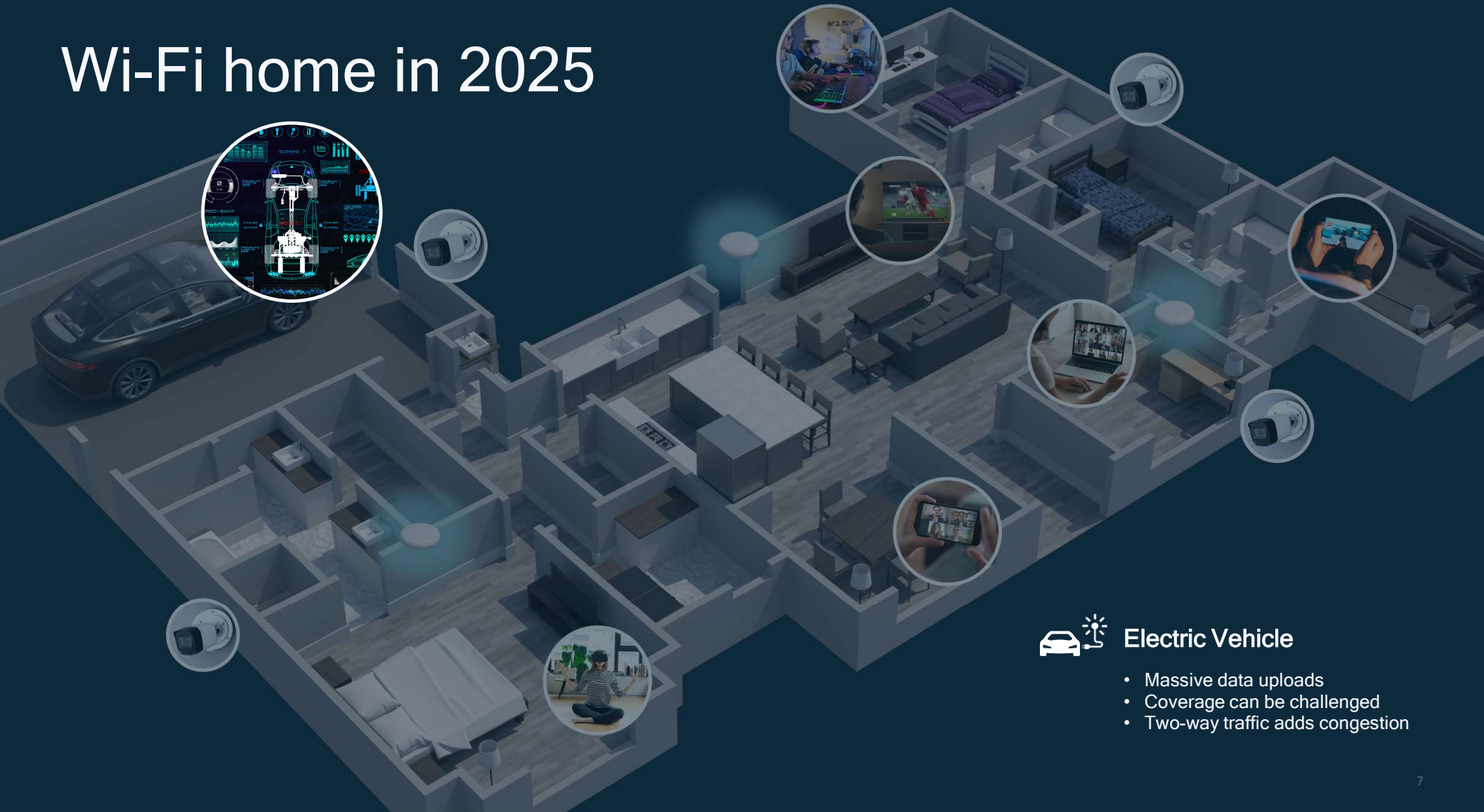
# Wi-Fi home in 2025



## Teleconferencing

- Surging in importance
- Two-way video adds congestion
- Speed & low latency required

# Wi-Fi home in 2025



## Electric Vehicle

- Massive data uploads
- Coverage can be challenged
- Two-way traffic adds congestion

# Wi-Fi home in 2025



## Wireless XR

- XR on deck for cord-cutters
- Intensive latency requirements
- Taxing on device and network



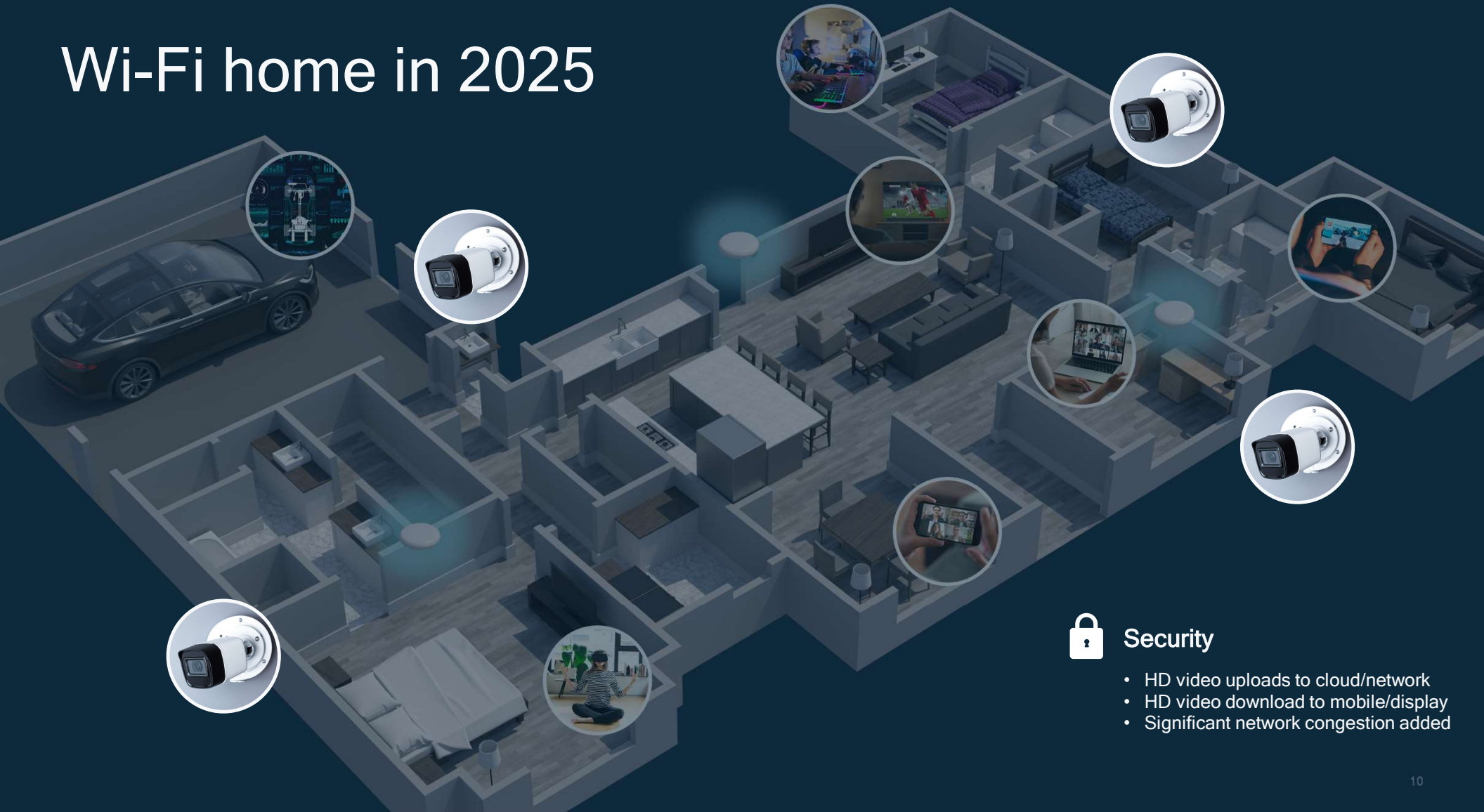
# Wi-Fi home in 2025



## 8K 8K video streaming

- Content becoming richer
- Interruption to stream unacceptable
- Increases network demand/congestion

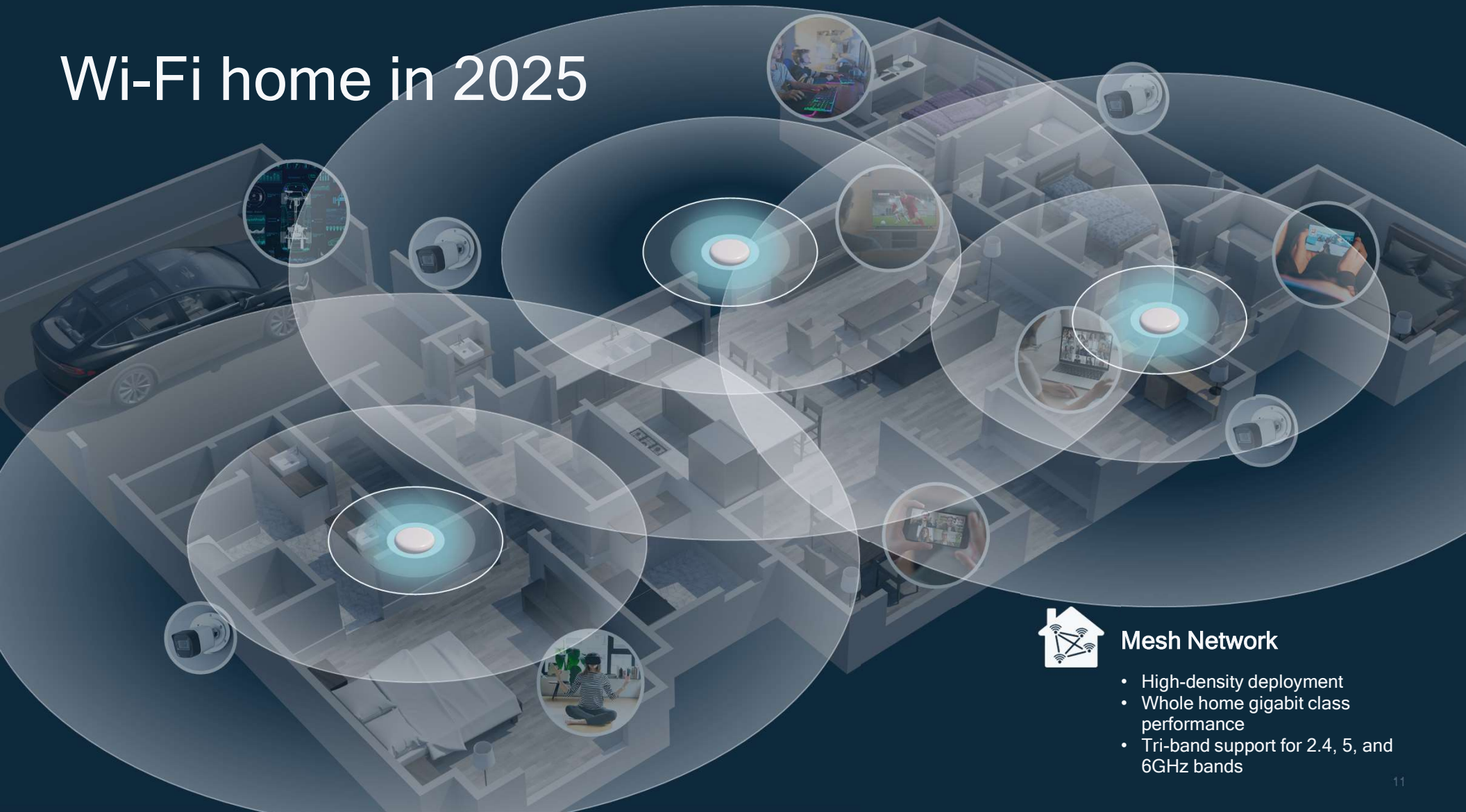
# Wi-Fi home in 2025



## Security

- HD video uploads to cloud/network
- HD video download to mobile/display
- Significant network congestion added

# Wi-Fi home in 2025



## Mesh Network

- High-density deployment
- Whole home gigabit class performance
- Tri-band support for 2.4, 5, and 6GHz bands



# Qualcomm Technologies' end-to-end Wi-Fi 6E portfolio



Client



Access Points

Unifying feature support across access point and client portfolios



Qualcomm Networking Pro Series Platform, Qualcomm Immersive Home Platform, and Qualcomm FastConnect are products of Qualcomm Technologies, Inc. and/or its subsidiaries.



# Wi-Fi 6E deployment



Lenovo ThinkPad Z13



Lenovo ThinkPad Z16



TP-Link Deco XE200



Linksys Hydra Pro 6E



Linksys Atlas Max 6E



HP EliteBook 645/655 G9 Notebook PC



HP EliteBook 835/45/55 G8 Notebook PC



ASUS ROG Phone 5



Aruba 630 Series



Arista C-360



Engenius ECW336



OPPO Find X3 Pro



Nubia Red Magic 6



Vivo X60 Pro+



Realme GT 5G



iQOO 7



MEIZU 18 Pro



OnePlus 9 & 9 Pro



Redmi K40 Pro+



TP-Link XTR10890



TP-Link XTR7890



TP-Link XTR6690



# Thank you

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