

# Broadcom Wi-Fi 7 Launch



# Wi-Fi in the Last Decade



**Mobile Internet,  
Multi-device homes**

**Wi-Fi 4**



**Over-the-top video,  
Mobile video consumption**

**Wi-Fi 5**



**Videoconferencing,  
Social video uploads**

**Wi-Fi 6/6E**



**6/6E**



**1 BILLION  
SHIPPED**

CONNECTED BY



**BROADCOM®**

## The Look Ahead: Mobile Trends

# 40%

**Increase in mobile game spending compared to pre-pandemic levels**

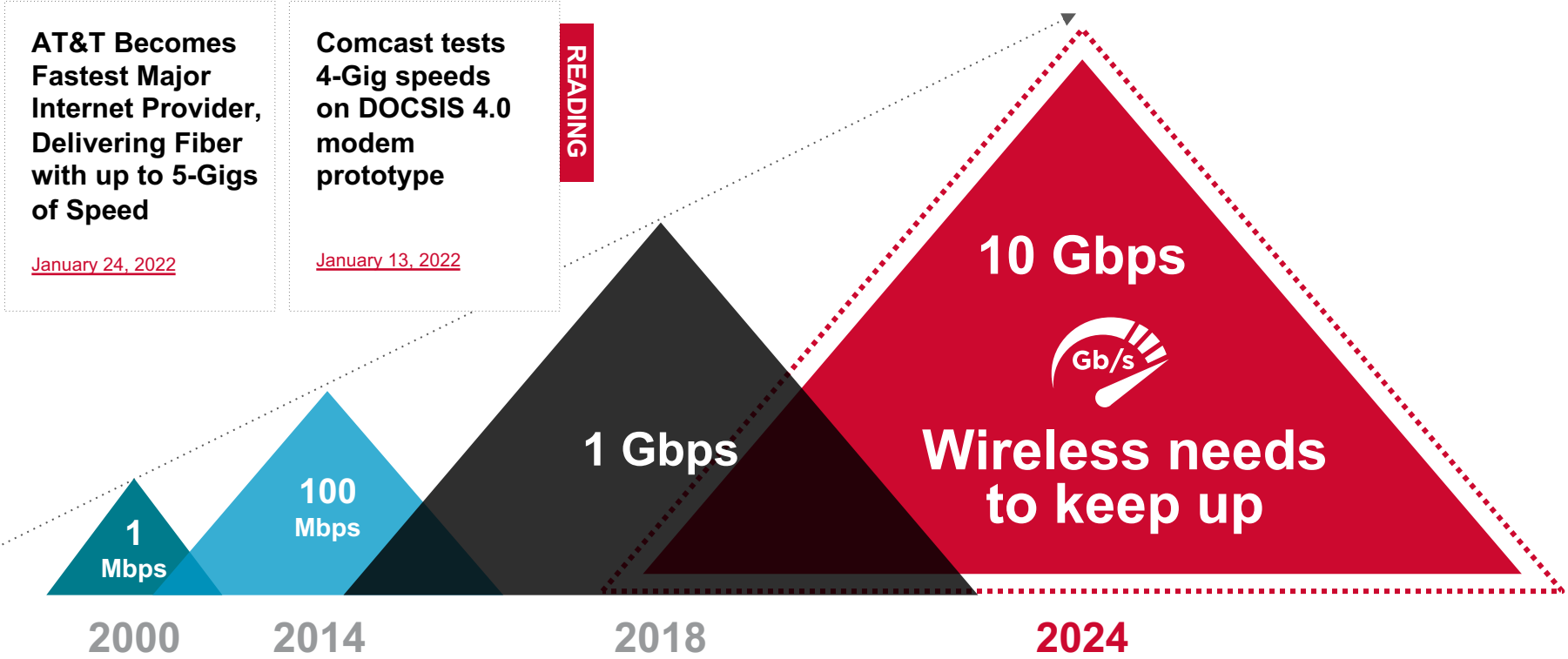
SOURCE: APP ANNIE

# 300%

**XR Headset Shipments Almost Triple YoY in Q1 2021**

SOURCE: COUNTERPOINT RESEARCH

# The Look Ahead: Broadband Trends



# The Look Ahead: 6 GHz Momentum

**46**

Countries that opened  
up 6 GHz for Wi-Fi

**75**

Other countries actively looking  
to open 6 GHz for Wi-Fi

**6**  
GHz

**57%**

World's GDP Designated  
As of 7 March 2022

**72%**

World's GDP considering  
designation as of 7 March 2022

# Wi-Fi 7 Fuels the Digital Revolution



Over-the-top video,  
Mobile video consumption

**Wi-Fi 5**



Videoconferencing,  
Social video uploads

**Wi-Fi 6**



Whole home Multi-gig  
AR/VR & gaming

**Wi-Fi 7**



# Connecting Everything with Wi-Fi 7



**Key Use Cases**

**6 GHz**  
Spectrum

**10G**  
Broadband





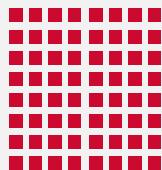
# Key Wi-Fi 7 Features

**Wider Channel  
Bandwidth**

320 MHz



**4096-QAM**



**Multi-Link  
Operation**



**Automatic Frequency  
Coordination**





Wi-Fi 7 delivers  
**5 Gbps**  
to phones

**2.5x**  
more than today

# Wi-Fi 7 Improves Congested Network Performance as well

## Capacity



**5x**

network capacity<sup>1</sup>

## Latency



**100x**

Improvement in  
worst case latency<sup>2</sup>

## Determinism



**15x**

Improved AR/VR  
latency performance<sup>3</sup>

## Coverage



**63x**

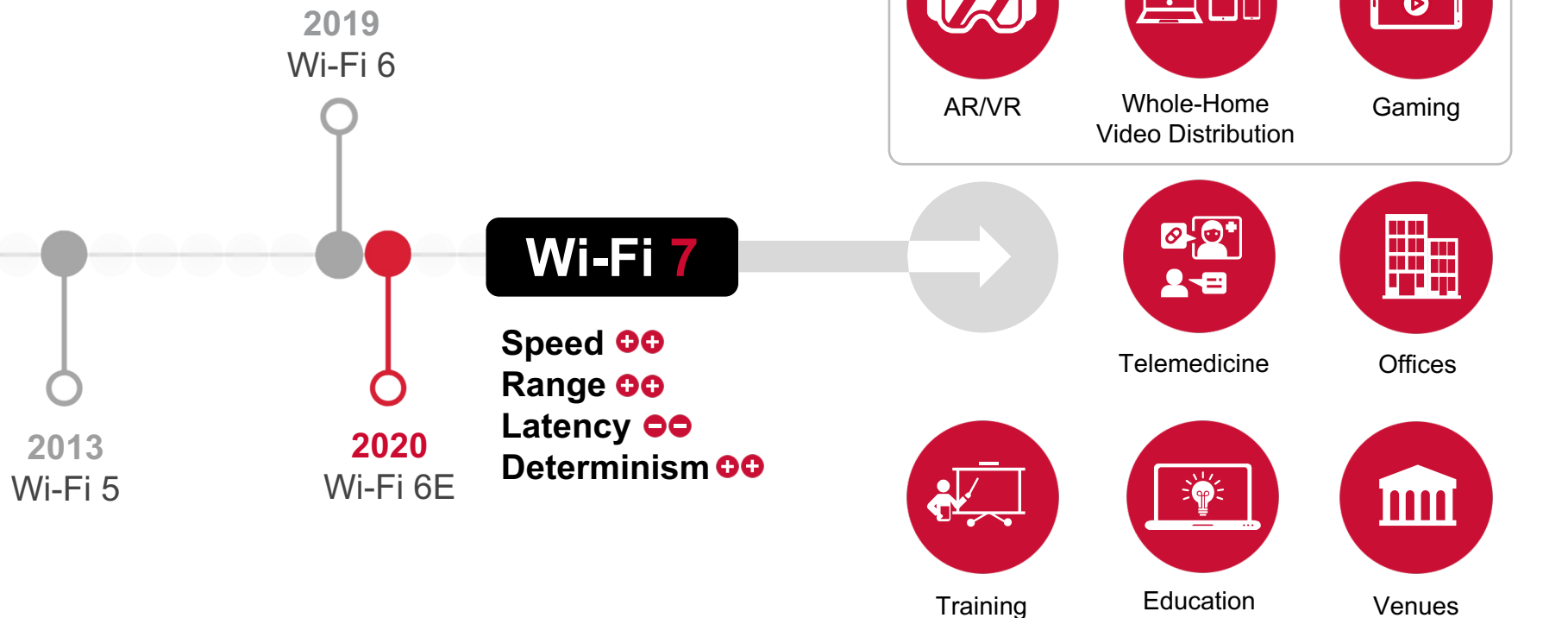
transmit power than  
indoor 6 GHz Wi-Fi

1 - scenario described in IEEE 11-13/1081r0. 20 apartments on a single floor, 1 AP and 1-4 WLAN devices per apartment; compares 80 MHz Wi-Fi 6/6E devices vs 320 MHz/MLO capable Wi-Fi 7 devices

2 - congested 20 apartment scenario compares best effort latencies for Wi-Fi 6 and MLO-capable Wi-Fi 7 client; simulation comparison is improvement in number of times latency requirements are not met due to traffic congestion

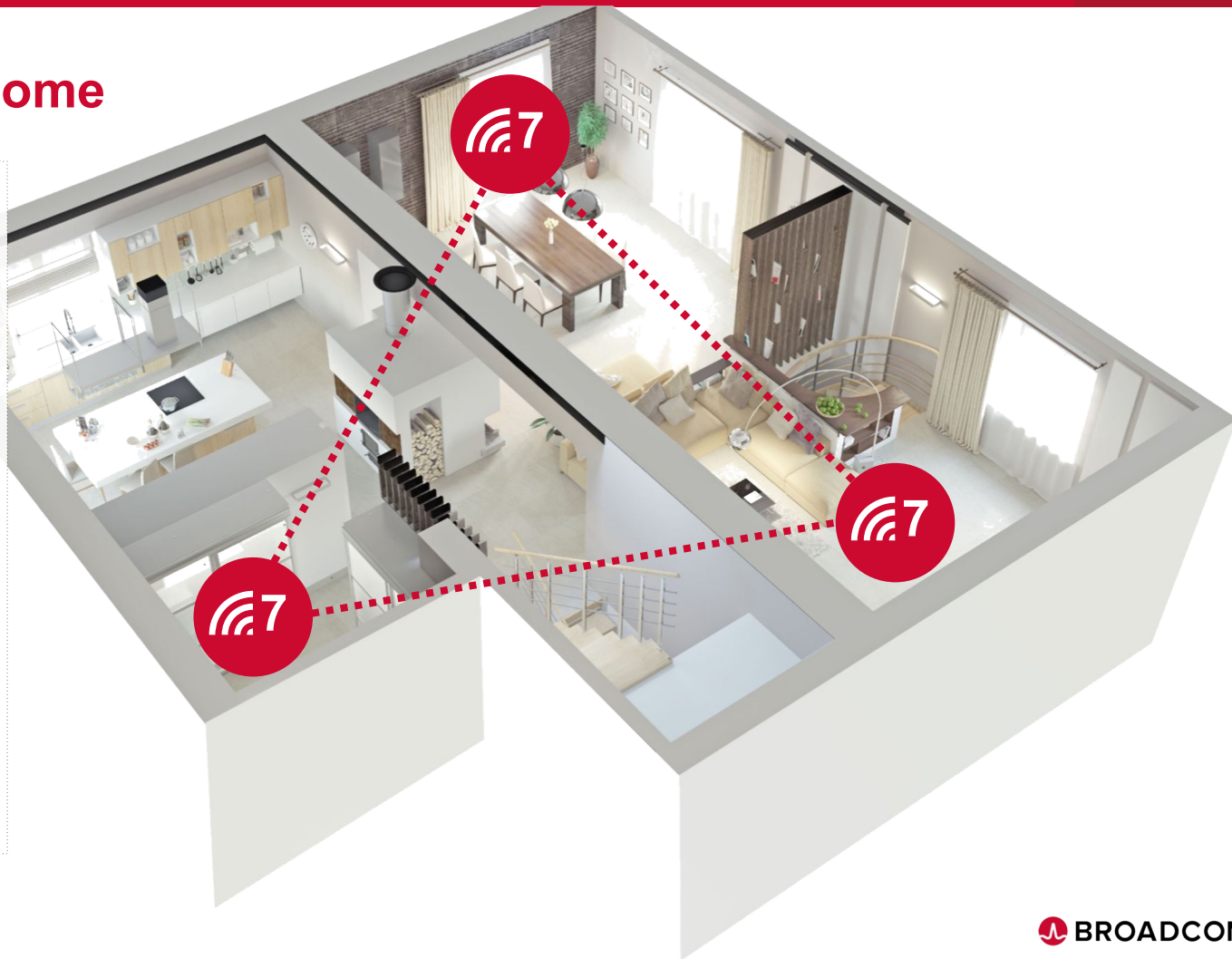
3 - similar set-up as 2, but run for AR/VR latency

# Wi-Fi 7 Delivers Value for the Next Decade



# Wi-Fi 7 for the Home

- ✓ Improved mesh networking
- ✓ Whole-home multi-Gigabit coverage
- ✓ Optimally support video streaming and AR/VR
- ✓ Multi-link redundancy
- ✓ Wi-Fi 7 AFC boosts range



INTRODUCING THE  
WORLD'S FIRST AVAILABLE



**Wi-Fi 7**

ECOSYSTEM

Today's News

# Wi-Fi 7 Product Ecosystem

**BCM4398**



**BCM67263  
BCM6726**



**BCM43740  
BCM43720**



# BCM4398 Key Features

- 1 Two-stream Wi-Fi 7
- 2 320 MHz channels and 4k-QAM
- 3 6.05 Gbps data rate
- 4 Client Multi-Link Operation
- 5 Bluetooth Denver support





# BCM67263 BCM43740 Key Features

1 Four-stream Wi-Fi 7

2 18.7 Gbps tri-band data rate

3 10 Gbps throughput in 6 GHz

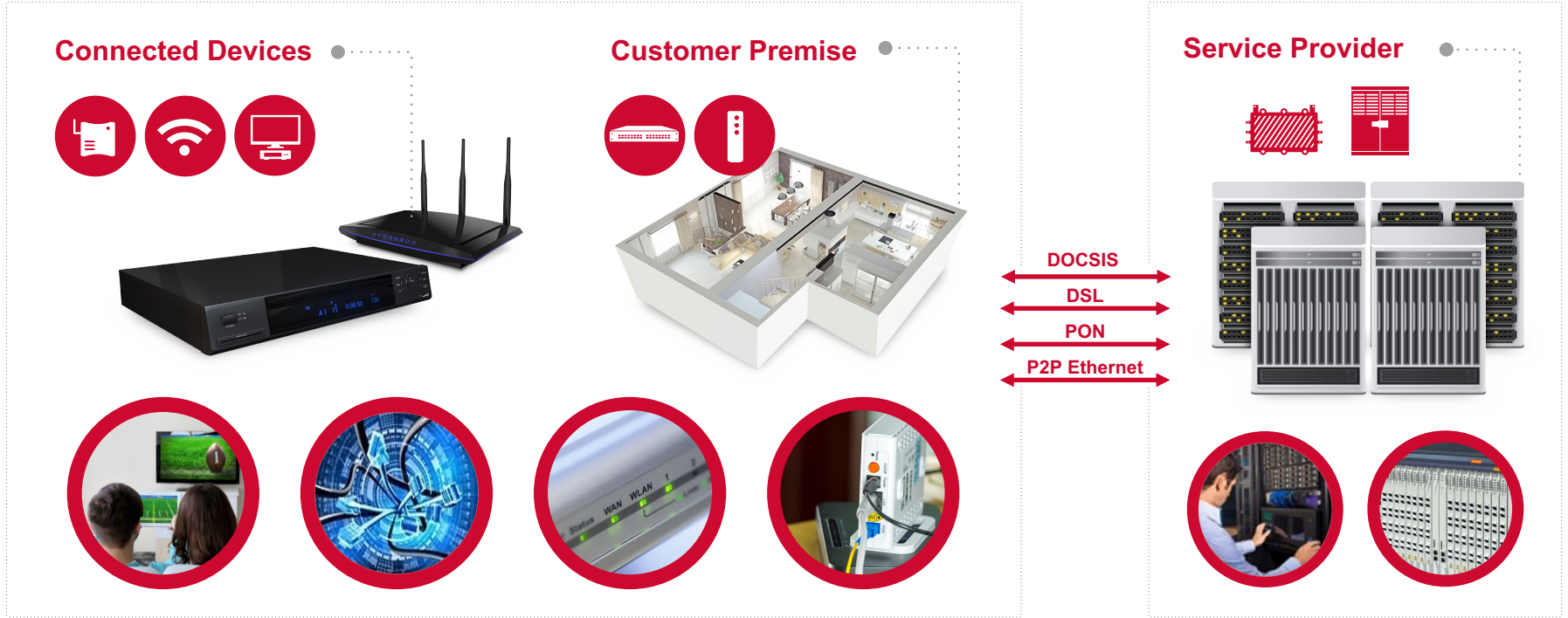
4 Simultaneous Transmit Receive MLO

5 Native AFC Support



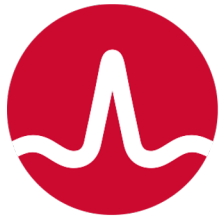
# Connected by Broadcom

Full ecosystem powered by Broadcom



Thank You





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