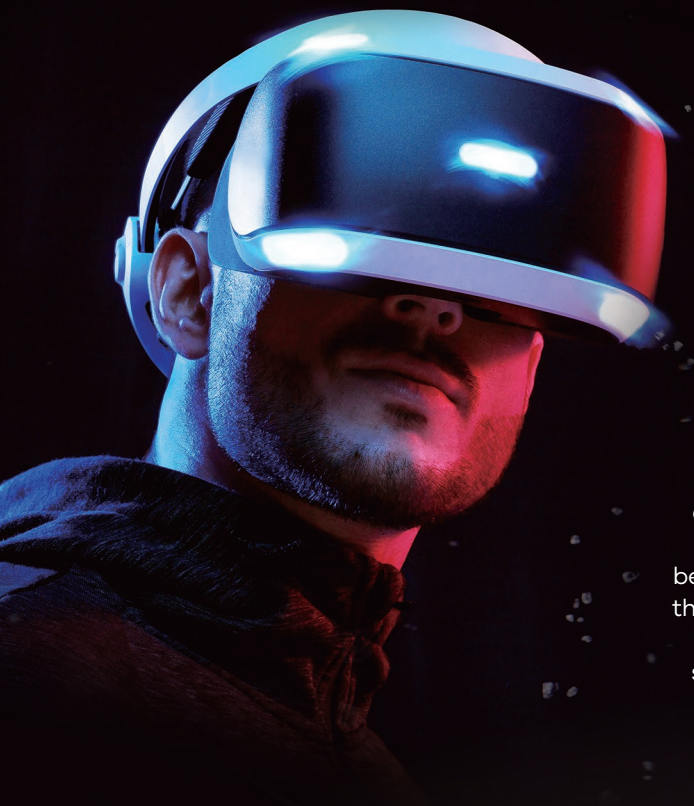
ZYXEL
NETWORKS



WiFi 6E

The driving demand for bandwidth in today's networks is exploding. The massive increase of connected clients and IoT devices, bandwidth-sensitive applications, and cloud service adoption results in WiFi congestion and creates unhappy users. Without sufficient capacity, organizations cannot fully reap the benefits of their high-bandwidth, low-latency applications. WiFi 6E, the extended version of the WiFi 6, provides a huge innovation leap to wireless industry by taking it into a much wider 6GHz radio spectrum that more than doubles WiFi capacity to further meet today's demands and tomorrow's challenges.

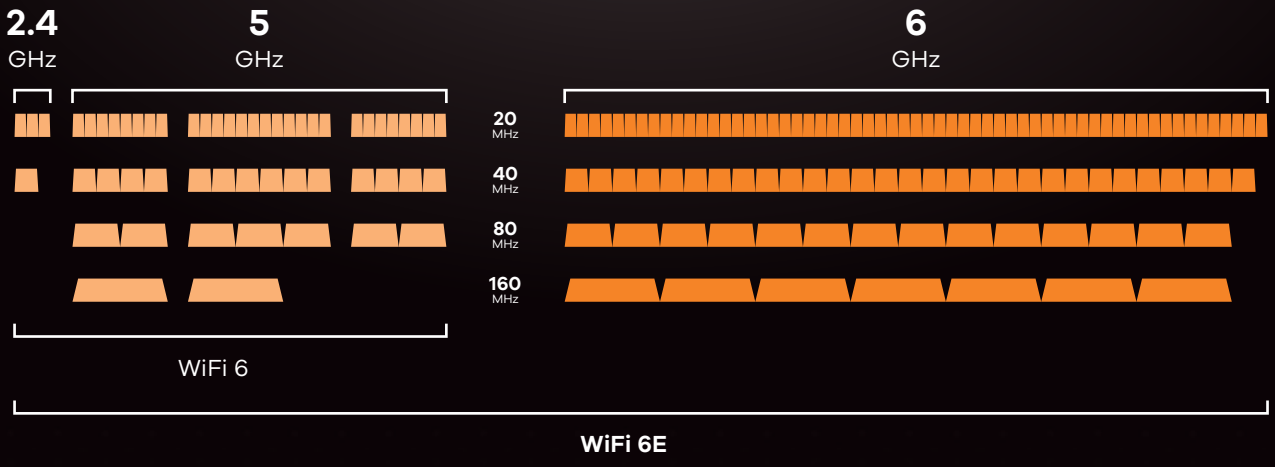
83%
will have deployed WiFi 6/6E or planning to do so before the end of 2022*

6.4 Billion
of global devices installed base in 2022*[2]

125 Billion
connected IoT devices worldwide – by 2030*[3]

6E WiFi 6 Extended

WiFi 6E is the WiFi 6 extended into 6GHz spectrum



WiFi 6E Features

WiFi 6E includes all WiFi 6 features, plus:

2.5X More Capacity

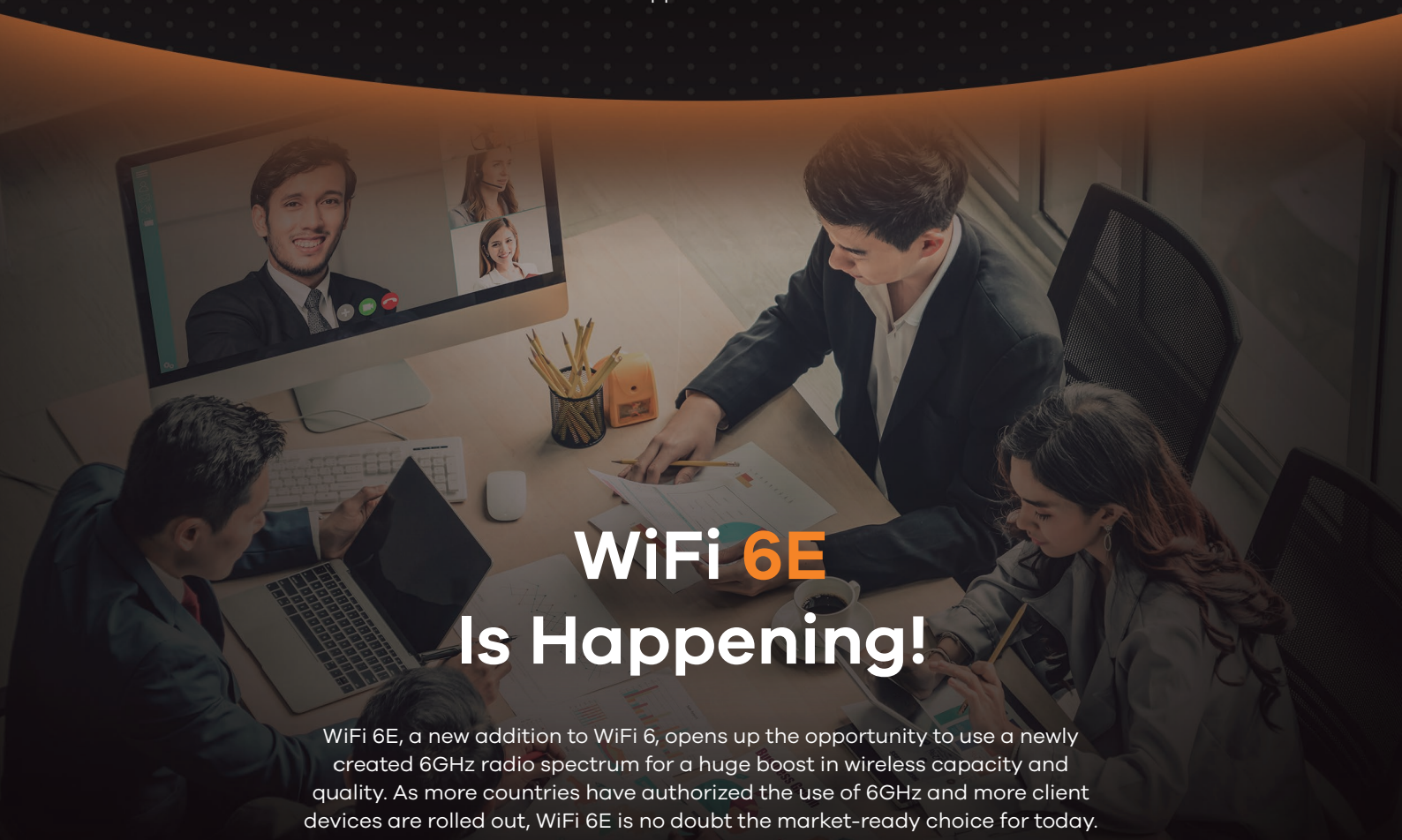
2.5 times more spectrum with the extended 6GHz band with no legacy devices

Seven Superwide Channels

Utilizing up to seven additional superwide 160 MHz channels in 6GHz for bandwidth-demanding applications

No Interference

No interference from microwaves and the non-6E devices



WiFi 6E Is Happening!

WiFi 6E, a new addition to WiFi 6, opens up the opportunity to use a newly created 6GHz radio spectrum for a huge boost in wireless capacity and quality. As more countries have authorized the use of 6GHz and more client devices are rolled out, WiFi 6E is no doubt the market-ready choice for today.

More than 76 countries have adopted or are adopting WiFi 6E (March, 2022)*[4]

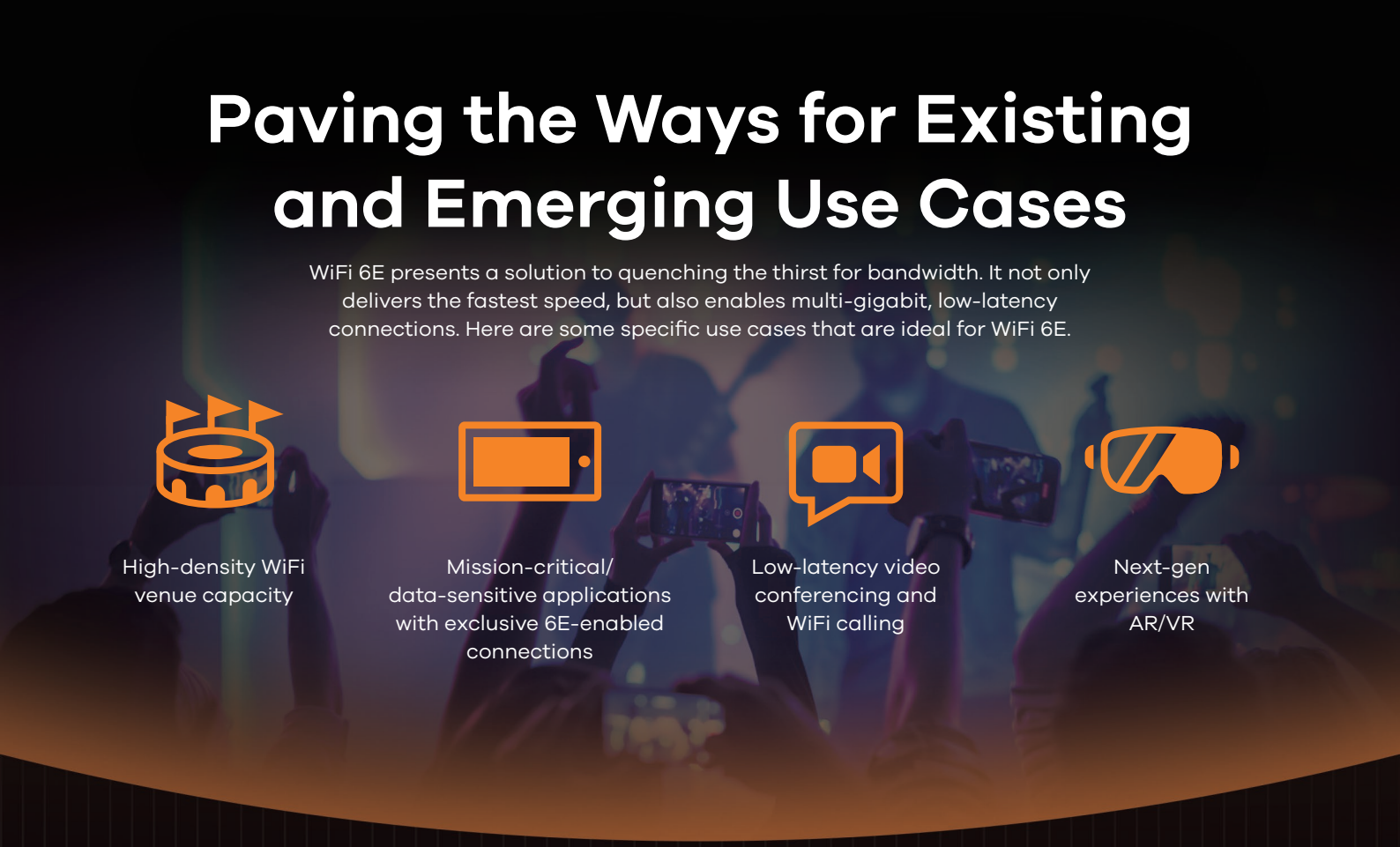
More than 338 million Wi-Fi 6E devices will enter the market in 2022*[5]

Nearly 20% of all Wi-Fi 6 device shipments will support 6GHz by 2022*[5]

Zyxel WiFi 6E-enabled Countries

Paving the Ways for Existing and Emerging Use Cases

WiFi 6E presents a solution to quenching the thirst for bandwidth. It not only delivers the fastest speed, but also enables multi-gigabit, low-latency connections. Here are some specific use cases that are ideal for WiFi 6E.



High-density WiFi venue capacity

Mission-critical/ data-sensitive applications with exclusive 6E-enabled connections

Low-latency video conferencing and WiFi calling

Next-gen experiences with AR/VR

Why Choose Zyxel?

With our solution, you'll not only get all the perks of WiFi 6E, but also the following distinctive features:

- A full-stack, full range of product selection including APs, switches, firewalls, and routers to support WiFi 6E connectivity
- Advanced antenna designs (Smart antenna/ Dual-optimized antenna) mitigates co-channel interference and adapts antenna patterns to ensure optimum performance
- Nebula Cloud - One easy network and security management: No controller, no hidden costs, anytime and anywhere
- Zyxel 6E boost by using high-gain 4 streams in 6GHz to extend range and maximize the performance of the new band
- The advanced RF filter prevents interference between the 5 GHz and 6 GHz bands while guaranteeing performance in all channels in either band concurrently
- Advanced security capabilities like CNP+ AP security, Secure WiFi, WPA3, DPPSK, and more

Learn more about Zyxel WiFi 6E solution, please visit

https://www.zyxel.com/WiFi6E

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Source:
*: WBA Annual Industry Report 2022
*2: Gartner
*3: IHS Markit
*4: Wi-Fi Alliance®
*5: WBA's Annual Industry Report 2022