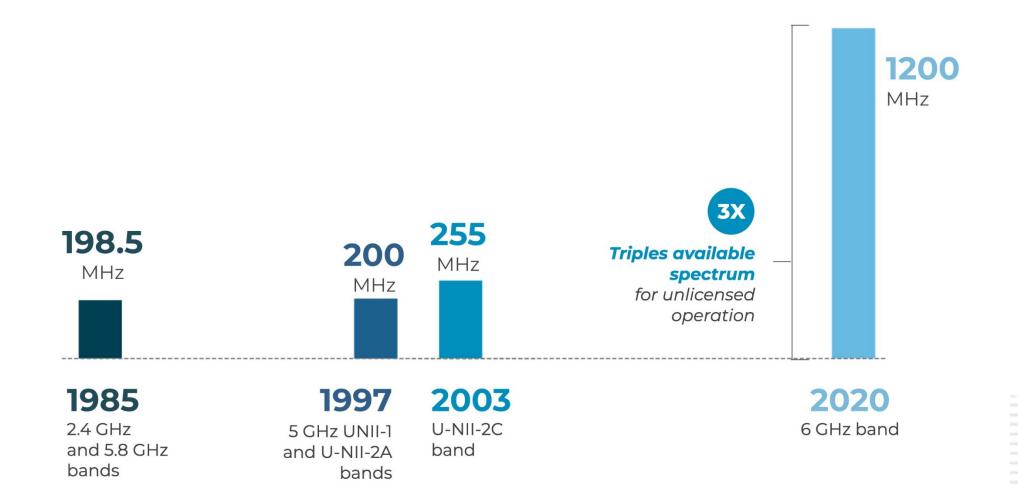
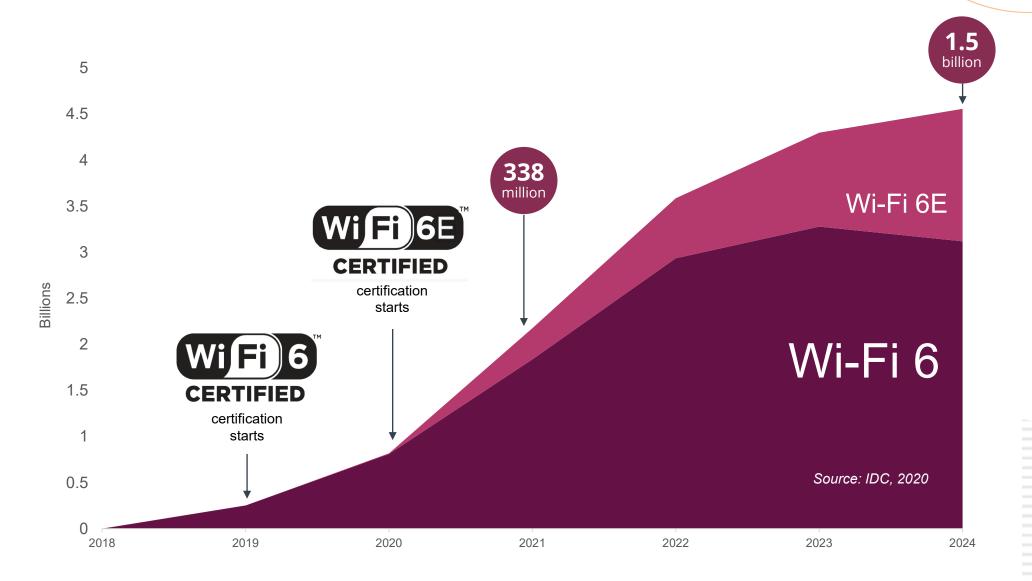


The Biggest Unlicensed Allocation in History





338 Million Wi-Fi 6E Devices Will Ship This Year



Device Classes in 6 GHz

Low Power Indoor (LPI) AP

- Fixed indoor only
- Up to 63X lower energy
- No antenna connectors
- No weatherproofing
- Wired power

Standard Power (SP) AP

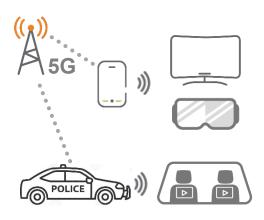
- Fixed indoor / outdoor
- Controlled by AFC database
- Automated geolocation
- Pointing angle restriction

Mobile Client

- Indoor / outdoor
- 4X less power than connected AP

Very Low Power (VLP) AP

- Mobile indoor / outdoor
- 160X lower energy



~2 Gbps throughput with sub-ms latency at 3m



The First Enterprise 6 GHz Access Point

Aruba 630 Series – Low Power Indoor AP





- Three 2x2 MIMO radios with Ultra Tri-Band (UTB)
- Up to 3.9Gbps "aggregate peak datarate" (HE160 + HE80 + HE20)
- Dual 2.5Gbps Ethernet ports for link aggregation and hitless failover
- Unrestricted operation 802.3at (class 4) POE
 - Max power consumption: 23.8W
 - Max when idle: 11.7W
 - Max in deep-sleep mode: 1.9W
- Up to 512 associated clients per radio
- Moderate physical size (220 x 220)
- Bluetooth 5.0 & 802.15.4 (ZigBee) radios



The Broader 6 GHz Wi-Fi Ecosystem

Addressing the Full Range of Use Cases: Consumer, Residential, Enterprise, IoT, etc...





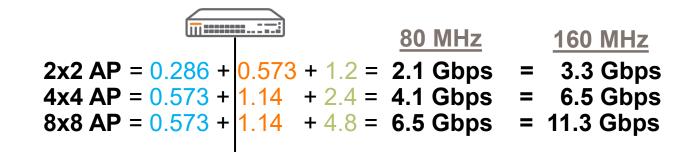




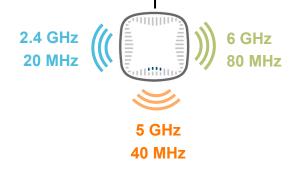


aruba

Dimensioning the Enterprise Edge for Wi-Fi 6E



Spatial Streams	20 MHz
1SS	143 Mbps
2SS	286 Mbps
3SS	430 Mbps
488	573 Mbps



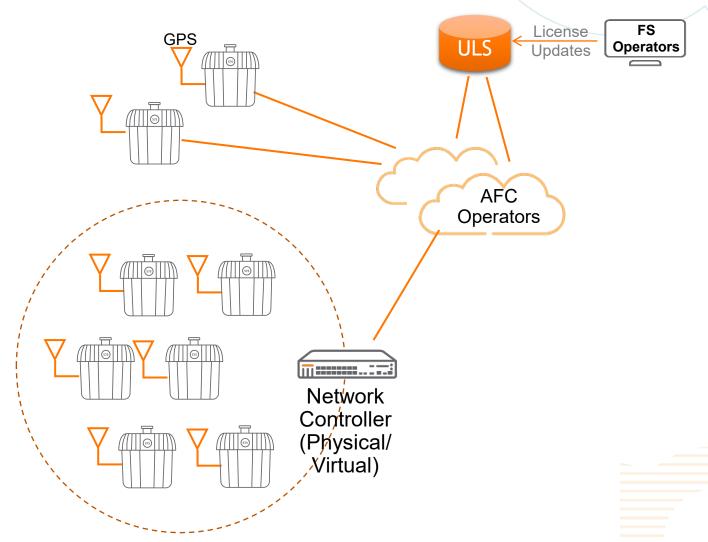
Spatial Streams	40 MHz	
1SS	286 Mbps	
288	573 Mbps	
3SS	860 Mbps	
488	1.14 Gbps	

Spatial Streams	80 MHz	160 MHz
1SS	600 Mbps	1.2 Gbps
2SS	1.2 Gbps	2.4 Gbps
488	2.4 Gbps	4.8 Gbps
6SS	3.6 Gbps	7.2 Gbps
888	4.8 Gbps	9.6 Gbps



How an AFC Deployment Works

- Constellation of APs under local or remote management and control
- AFC access points must be capable of determining their geolocation
- AFC access points must request a list of available channels from AFC Operator every 24 hours
- Channel availability requests include AP geolocation (with uncertainty estimate), FCCID and AP serial number
- AP or network controller chooses operating channel(s) and configures APs under its control







Thank you

Contact information