



Fixed Wireless Access (FWA)

is a mobility architecture offering many of the capabilities provided by fixed-line services but at reduced costs. It offers an efficient choice for reliable, high-speed broadband connectivity in any location.

FEATURES & BENEFITS

Provides network operators with the ability to deliver ultra-high-speed broadband in both urban markets and rural areas for home and business applications.





FWA CPE supports networking functionalities including routing, VLAN, security, QoS.

Employs standardized **3GPP** architectures and common mobile components.



Wireless connection providing the "last mile."

FWA can power the industries of the future with continuous, secure, low-latency connectivity like advanced telemedicine, autonomous vehicles, augmented reality/virtual reality, and solutions for the manufacturing and energy sectors.





FWA is an emerging solution with a towering speed as high as 1000 gigabits.

HOW DOES IT WORK?

Eliminating the need for fiber or cable lines, fixed wireless provides broadband internet access to locations through radio waves. Service Providers will install an FWA Router at your home/office which transmits with the nearest wireless base station. This gives you access to the internet via radio waves carrying the broadband signal from the router to the network in your home/office.





Fixed Wireless Access (FWA) is a

WiFi

Instead of using wired connections like Ethernet, WiFi uses radio waves

to transmit information at specific

frequencies, most typically at

unlicensed 2.4GHz and

5GHz spectrums.

technology that provides wireless connectivity through radio or wireless links at licensed or shared CBRS spectrum between a base station and a Fixed router.

Fixed Wireless provides wireless WAN connectivity in areas where the ability

to deliver fiber or cable services is

costly or limited. This includes both suburban and rural markets.

A Gateway or Modem, connected to the ISP's WAN via wired xDSL/ Cable/Fiber, provides the wireless LAN connectivity for WiFi-enabled devices within a home or SMB.

Because Fixed Wireless internet uses stationary, point-multipoint radio wireless connections between a base station and an FWA router at licensed or shared spectrums, there is less interference and lower latency.

greater than 1Gb/s between a Router and a WiFi-enabled device, factors such as distance, competing WiFi signals from neighbors, and walls will impact the speed and performance.

While WiFi 6/6E can provide speeds

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