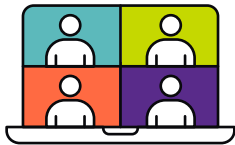


5G for Home Broadband

A Key New Tool To Get More Americans Connected



16x

increase in **100+ Mbps** homes with access to 5G for the home services by 2025.

Source Wall Street estimates

5G “fixed wireless . . . offers a future-proof and cost-effective option for delivering high-speed broadband”

– Accenture



While we’ve been social distancing, U.S. wireless providers have been out building 5G networks, the foundation for our country’s post-pandemic recovery. In the past year, we’ve seen three nationwide 5G networks launched and more cell sites are being added every day. More and more mobile devices are being launched to unlock the power of 5G, which will be up to 100 times faster than 4G.

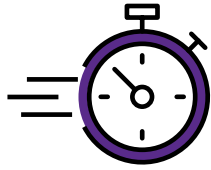
The 5G platform also provides the speed and capabilities to offer exciting new 5G applications, including 5G for home broadband (also known as 5G fixed wireless access). With the pandemic making clear the realities of our country’s digital divide, America’s wireless industry is now bringing its competitive energy and investment to the home broadband market.

Congress recently enacted a broadband infrastructure program to help bring broadband to more Americans. Under this program, \$42.5 billion will be made available to states and territories to fund broadband infrastructure deployment. Encouraging the deployment of 5G for home broadband service is one of the quickest, most cost-effective ways states that seek to invest infrastructure funding can get their residents connected.

5G for Home Broadband: Providing Millions with High-Speed Connections

5G for home broadband represents an exciting new option for home broadband connectivity, and a number of providers have announced significant investments in 5G broadband services this year. This technology uses wireless links between fixed points—a nearby tower and an antenna on a consumer’s residence—to provide high bandwidth broadband connections wirelessly via spectrum instead of through a wired cable connection.

5G for home broadband services offer fast and competitive speeds that can meet consumers’ broadband needs. While speeds vary by location and demand, most 5G for home broadband services already can offer 100+ Mbps down and 20+ Mbps up, with some 5G for home broadband services reaching up to 1 Gbps down and 50 Mbps up.



FAST TO DEPLOY

Eliminates need for deployment of last mile fixed infrastructure, thanks to wireless-based connectivity to the home.



COST-EFFECTIVE TO DEPLOY

Can reduce costs of last-mile connectivity by 40%

SNS Telecom



EASY INSTALL

Home install time is under an hour and can be done without a technician visit.

The wireless industry structures its offerings based on how consumers use the internet: today, over 90 percent of broadband traffic —wired and wireless—is downstream, meaning content delivered to you. This has been the case for years and remained true during the pandemic.

Wireless providers have already made 5G for home broadband services available to tens of millions of American households. The number of homes 5G will reach with over 100 Mbps downstream speed will jump 16x by 2025.

Communities Benefit from 5G for Home Broadband’s Quick and Cost Effective

Deployment. With streamlined deployments and low costs-to-serve, 5G for home broadband services represent a key broadband alternative that can be deployed quickly, efficiently, and with superior economics and network efficiencies.

Lowered costs to deploy and serve are particularly key to bring high-speed connectivity to more rural areas. As Wells Fargo analysts recently noted, “5G home broadband ... should offer a compelling solution in more rural markets ... in particular.”

A new Accenture report noted that 5G “fixed wireless ... offers a future proof and cost-effective option for delivering high-speed broadband, including in rural areas of America” citing 5G network advances that “have significantly improved the download, upload and latency capabilities of [fixed wireless services].”

Bring 5G for Home Broadband to Your State or Territory. To bring the benefits of 5G for home broadband to your residents, encourage your government officials to apply to NTIA to start the grant process. Projects will be prioritized based on whether they connect the unserved and underserved, target high-poverty areas, offer high-speeds, and can be completed quickly.



5G for home broadband is a quick and cost-effective way states and territories seeking to invest infrastructure funding can connect Americans. U.S. wireless providers are proud to be investing in 5G for home broadband services that offer quick buildouts at speeds of at least 100/20 Mbps, low-latency for real-time interactive applications, reliable and low-cost service, and enhanced 5G coverage. These networks will be a key part of the tapestry of solutions connecting all Americans—and ensuring everyone can benefit from our country’s 5G Economy.