EION ByTES

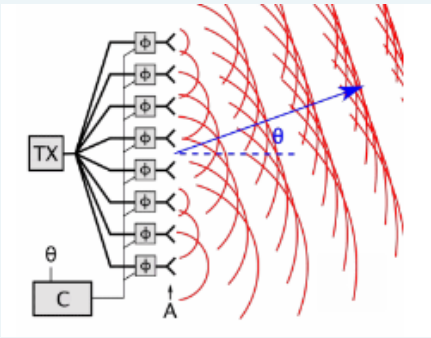
The Most Advanced Three Techniques to Implement Reliable Gigabit Wireless Networks (Billion Bits/Second)

Incredible Gigabit and Reliable Next Generation Wireless

The next-generation wireless technology is Gigabit-Capable and constantly innovating to even faster, More Reliable and better able to handle everything you do on the network. The below three technologies are crucial and essential for developing Gigabit capacity.

(1) Active Phased Arrays Antennas

Beam to more locations at once with active phased arrays. It is a group of multiple antennas into one, each antenna element has an analog transmitter/receiver (T/R) module so this technology helps push multiple high-speed beams to multiple locations.



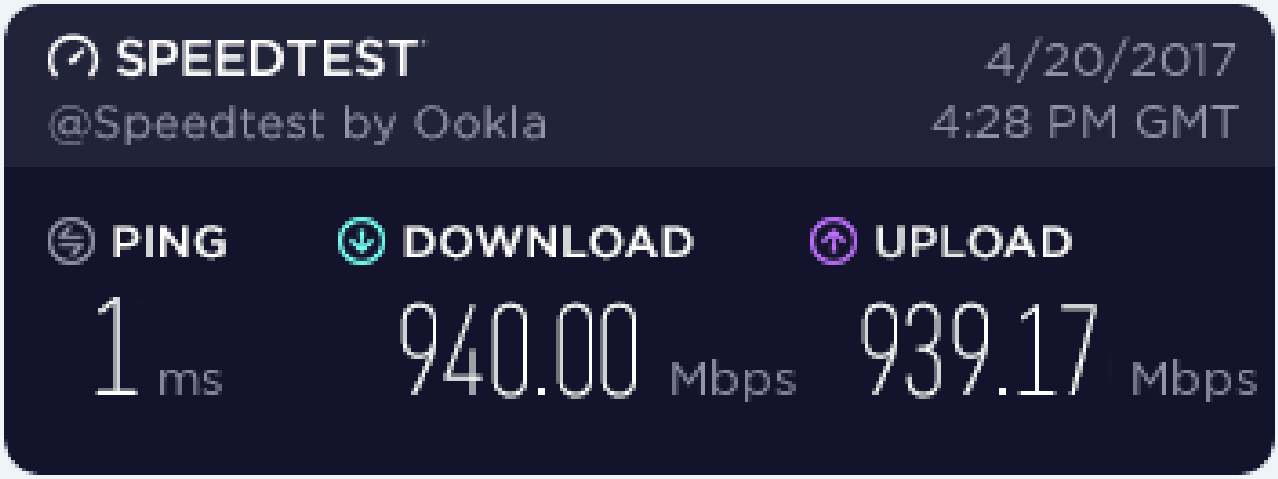
(2) Millimeter Waves - mmWave

Carry a ton of data at high speeds with millimeter waves. Millimeter waves have short wavelengths and more room for data which helps deliver Gigabit capacity.

(3) MU-MIMO Broadcasting

Give every location better connections with MU-MIMO broadcasting. MU-MIMO is Multi-User Multi Input Multi Output. So with using the SAME frequency, multiple sub-carriers use the same road to carry on multiple data to multiple locations. This technology resolves the problem that each location has to wait for his turn to receive his data.

Expected Results (Download / Upload / Latency)



The future of the wireless internet is extremely fast. Fourteen times faster than the current average which is around 70 Mbps in the US now. Gigabit-speed fixed broadband is still at the start, but it's making appearances in locations over the globe. Before you get too attached to the idea of downloading 1 billion bits of data per second, know that getting gigabit service and adjusting your set-up to achieve top speeds is harder than you might think. The above three technologies are essential to achieve the Speedtest results you dream of.

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