

Mmwave technology is unique in that it can provide robust gigabit wireless links into areas which are difficult and much more expensive to serve with fiber to the premises (FTTP). It is readily deployable on roof tops, existing power poles, towers and light poles. It can provide gigabit backhaul PTP and PTMP over distances of 1.5 miles (2.5 km) as well as last mile connectivity. IgniteNet's patented MetroLinq Tri-Band radios are unique in that their antennas include three radios at 60 GHz, 5GHz, and 2.4 GHz; the 60GHz radio delivers line-of-sight multi-gigabit transport up to 10Gbps, license free, without interference from other frequency bands; the 5GHz radio provides non-line-of-sight 6Gbps failover backup for robust throughput in the harshest weather conditions; and the 2.4GHz radio provides non-line-of-sight internet access and WiFi up to a 0.43 mile (700 m) radius. This modern tri-band radio technology provides the 10Gbps broadband transport needed for future 5G connectivity. It is novel and is superior to other existing technology and has reasonable cost, which makes it highly competitive.