

Within one square city block the MetroLinq 10G Tri-Band Omni radio provides 360 degrees of 10Gbps PTP and PTMP network coverage for 24 users on 60GHz, 50 fixed access users and up to 256 WiFi devices on 5GHz, plus up to 256 WiFi devices on 2.4GHz. Those users can be in a city block or larger area. Also, it should be noted that each of the 24 60GHz users could be an office with 6 users and 50 devices, or more. Thus, the total number of simultaneous users within a city block or larger area can be at least $24+50+256+256 = 586$.

The maximum distances for the ML Tri-Band Omni to extend 10Gbps coverage over 360 degrees are: 0.43 mile (700 m) radius if the receivers have dual-band ML 2.5 60-35 radios. Each access point can have a network switch that can allow connectivity to many users.

The maximum PTP distances the current dual-band ML 2.5 60-35 PTP radios can serve on 60GHz and 5GHz back up is nominally 1.5 miles (2.5 km). Within a year, new models will have a range of 5 miles (8 km).