

The path to Multi-gigabit wireless communications

mmWave wireless communications are here

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Abstract

With the advance of technology, mmWave communications are not an exotic and expensive technology anymore, they are becoming mainstream. 802.11ad is the latest addition to the WiFi family, adding not only multi-gigabit speeds but solving one of the biggest problems in wireless communications today: dense environments. mmWave offers almost un-bounded capacity, taking the spatial reuse to the next level.

The 802.11ad ecosystem is growing rapidly and with it the way we do things. New products and a new partition of existing ones are now possible, opening the door for a truly untethered, instantaneous access world.

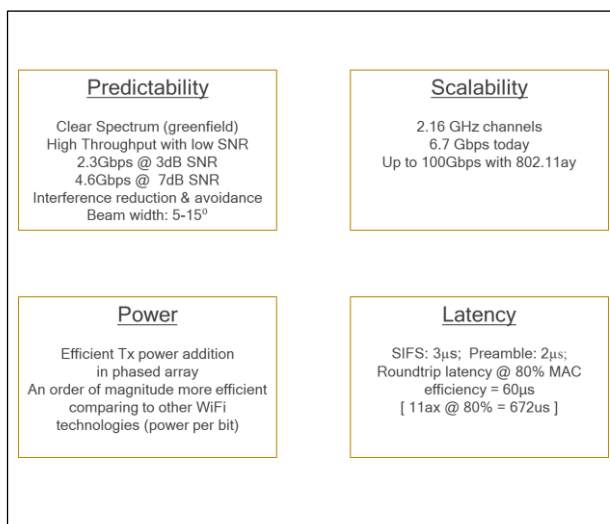
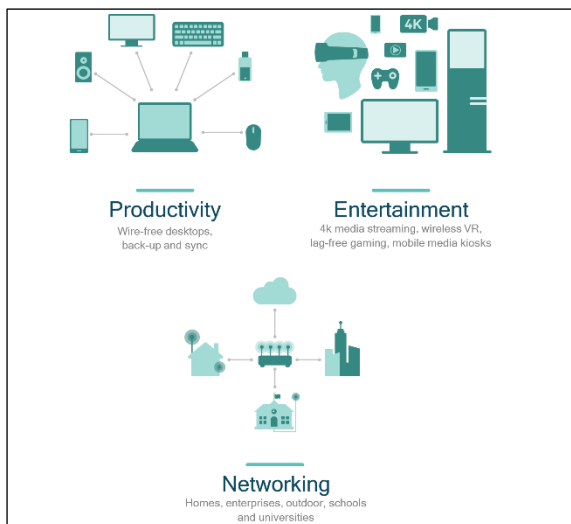


Fig. A1: Changing the user experience with 802.11ad Fig. A2: 802.11ad technological differentiation