

WiMAX (Worldwide Interoperability for Microwave Access) is a telecommunications protocol which provides for fixed and mobile wireless access. The [WiMAX Forum](#) describes it as a "standards-based technology enabling the delivery of last mile wireless broadband access as an alternative to cable and DSL."

Current (2010) WiMAX implementations are based upon 802.16e-2005 (previous 802.16 standards did not provide for mobility), and allows for a theoretical maximum downlink bandwidth (when stationary) of 144Mbps, and a maximum uplink bandwidth (when stationary) of 35Mbps. The upcoming 802.16m standard should provide downlink bandwidth of up to 1Gbps (fixed) and 100Mbps (mobile), while maintaining full backward compatibility with 802.16e clients.

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