



WiMAX Fact Sheet

WiMAX is a fourth generation (4G) wireless technology that provides high-speed broadband connections over distances of up to 50 kilometres¹.

WiMAX works by transmitting data wirelessly between a base-station and a receiver. WiMAX networks are already operating providing broadband speeds of up to 10 megabits per second (Mbps), with scalability to increase to speeds up to 70Mbps in future years through a demonstrated technology evolution path.

WiMAX can support almost any sort of residential or business communications, including broadband Internet, VOIP, multiplayer interactive gaming, streaming media, web surfing, video and teleconferencing, instant messaging and media content downloads.

WiMAX has been designed and developed to provide business grade quality of service (QOS), ensuring that the range of applications identified above are delivered at a consistently high quality.

This performance means that consumers will experience the same speed and quality of services on WiMAX as they would on wired services such as Cable and DSL.

Current and planned international WiMAX deployments include: Canada, the United States of America, Denmark, Finland, France, Germany, United Kingdom, India, Ireland, New Zealand, Pakistan, Russia, Sri Lanka and Taiwan.

This worldwide adoption will lower equipment costs and help drive down subscription costs and enable the deployment of an even wider range of broadband services.

Major companies, such as Intel, have invested huge amounts in WiMAX, first in research and development, and now in WiMAX equipment for the market.

WiMAX chip sets will be incorporated in a whole raft of electronic devices including PCs, cameras, personal music devices and PDAs. Intel, the manufacturer of microprocessors in many computers and laptops, has announced that it will sell WiMAX-ready note-book computers in 2008.

WiMAX has strong technical support through well known vendors such as Alvarion, Airspan, Siemens and SR Telecom.

¹ WiMAX short for Worldwide Interoperability for Microwave Access.