

## DEVICES



## WHAT IS WiMAX?



and offering core advantages for future network development and deployment, enabling users to enjoy a common experience.

All other wireless technologies are evolving to OFDMA and MIMO, but they are still at least two to three years away from commercial readiness and deployment. WiMAX is here today.

In fact, WiMAX is already widely deployed in many countries around the world where in some cases it provides the first affordable connection for emerging and underserved areas and in other cases the first truly mobile broadband for developed markets. And it's this technology readiness that is making it possible for true mobile broadband to come sooner rather than later to a city near you. WiMAX will soon blanket large metropolitan areas in the US delivering mobile broadband Internet access at higher speeds than today's wide area wireless technologies, enabling you to access the Internet from various locations and devices using the same broadband account.

And similar to the way that the first cellular networks got built out until they ultimately could provide ubiquitous coverage, the WiMAX rollout will continue. WiMAX will be built out city by city, market by market. As with all networks, each market continues to deploy more base stations to provide more complete coverage throughout a given area, even as new markets launch. When a city first gets service, there are always some areas that are not fully covered but that improves dramatically as equipment is installed daily. Over a couple of years, coverage becomes very extensive within metro areas as well as across the country. In fact, the WiMAX Forum forecasts over 133 million WiMAX users and 538 operators worldwide by 2012. So if WiMAX is not yet available in your area, it could be there soon.

### Experience Built-In WiMAX with Intel

The real beauty of a standards-based WiMAX wireless network is freedom of choice when it comes to the devices and services you want to use on it. WiMAX is an open standards-based, interoperable technology built from the ground up for the Internet. WiMAX chips can be embedded into everything from notebooks, consumer electronics and games, digital cameras, home entertainment systems, utility meters, and appliances to a new category of mobile devices for consumers and business professionals called Mobile Internet Devices or MID.

And now you can experience the next evolution in mobile Internet speed and performance with WiMAX built in to notebooks powered by Intel® Centrino® 2 processor technology.

The Internet speed and performance you expect at home is now available on the go. You can stream videos, play high-res online games, and download the hottest music—all without wires. When the processing power and mobility of a notebook powered by Intel® Centrino® 2 processor technology teams up with breakthrough WiMAX technology, the possibilities are limitless. So get ready to unplug and experience incredible wireless performance that goes well beyond today's hotspots.

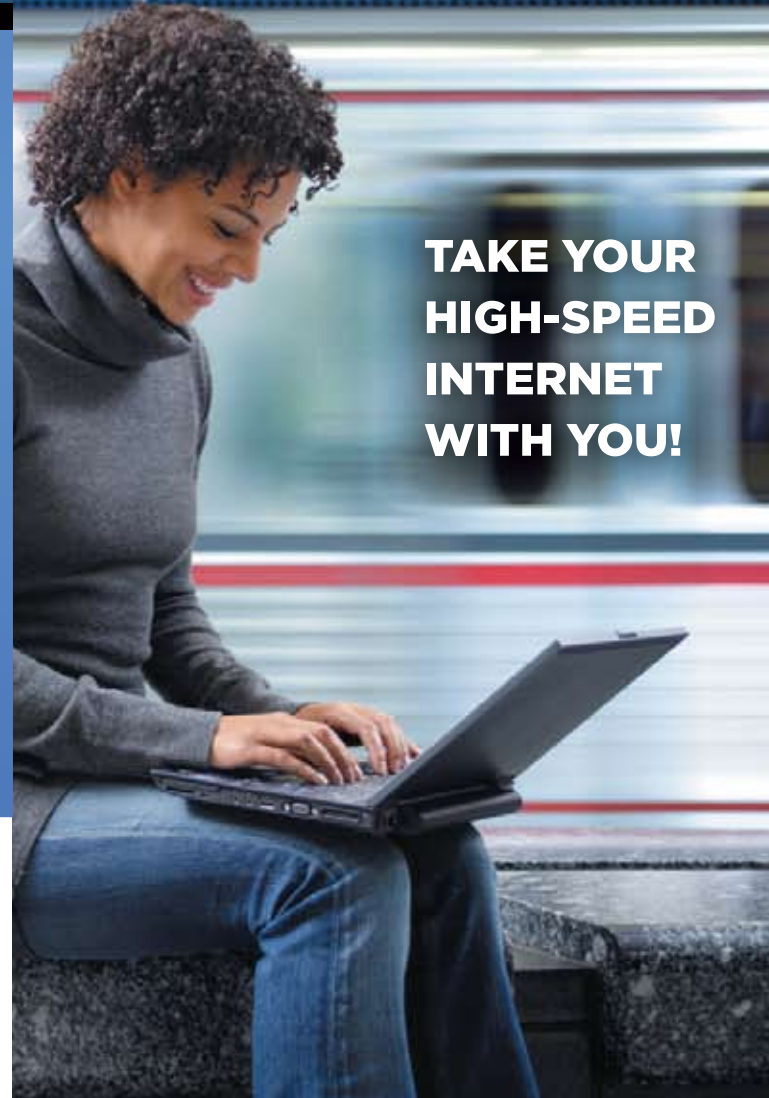
**WiMAX—now your hotspot can go with you.**

For WiMAX industry information, visit [www.intel.com/go/wimax](http://www.intel.com/go/wimax)

For WiMAX consumer information, visit [www.intel.com/getwimax](http://www.intel.com/getwimax) or [www.xohm.com](http://www.xohm.com)

For WiMAX coverage and service information, visit [www.xohm.com](http://www.xohm.com)

## TAKE YOUR HIGH-SPEED INTERNET WITH YOU!



With WiMAX, all the Internet speed and performance you expect at home is now available on the go. Providing speeds previously only enabled by WiFi or wired connections, WiMAX offers cost-effective connectivity so that everything you love about the Internet goes with you—from social networks to business information.

A 4G, all-IP wireless technology, WiMAX is the next revolution in wireless technology. It enables pervasive, high-speed connectivity to a wide array of devices today, including notebook PCs, handsets, and mobile internet devices, and in the future it will do the same for smartphones and consumer electronics, such as gaming consoles, cameras, camcorders, and music players.

### HOW DOES WiMAX WORK

WiMAX combines the familiarity of Wi-Fi with the mobility of cellular to deliver your broadband on the go, even miles from the nearest hotspot. It is the first global standard to bring an Orthogonal Frequency Division Multiple Access (OFDMA) solution, combined with Multiple Input/Multiple Output (MIMO) smart antenna technology, to the mobile world. As a result, WiMAX has the ability to carry more data traffic than current networks, which simply don't have the same kind of capacity to meet data demands that are increasing daily.

Not only has WiMAX been designed to deliver superior data rates and scalability, lower costs, and reduced complexity, but it also offers greater flexibility compared to existing mobile solutions. And the 802.16 standard will continue to evolve with a focus on maintaining a competitive lead

Our WiMAX Ecosystem Partners:

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WiMAX connectivity requires a WiMAX enabled device and subscription to a WiMAX broadband service. WiMAX connectivity may require you to purchase additional software or hardware at extra cost. Availability of WiMAX is limited, check with your service provider for details on availability and network limitations. Broadband performance and results may vary due to environment factors and other variables. See [www.intel.com/go/wimax](http://www.intel.com/go/wimax) for more information.

