



# UMTS TD-CDMA: Powering Fixed, Portable, Mobile Broadband

## *A Flexible, Low Cost Wireless Broadband Network*

Now more than ever, mobile operators and broadband service providers need differentiated services that attract and retain subscribers while maintaining a bulletproof business case with high-margin revenue returns. Mobile Broadband from IPWireless offers an unmatched business model built on multiple layers of revenues from a wide range of services and an extremely low deployment and operating cost structure. The extremely high capacity, low latency, and fully mobile network combined with low cost, plug-and-play subscriber devices allow operators to offer services that target mobile, portable and fixed markets - all on one network.

With commercial networks that have been deployed for more than two years, IPWireless' advanced next generation UMTS TD-CDMA has already emerged as a leading global standard for Mobile Broadband, powering a spectrum of completely mobile, portable, or stationary end-to-end packet-based services with unmatched economics and performance. T-Mobile, PCCW, and other leading operators have deployed commercial systems, and leading operators like Orange and Sprint Nextel have announced major trials.

UMTS TD-CDMA mobile broadband and multimedia technology separates itself from the competition based on its proven commercial performance and economics, as well as spectrum flexibility and its standards based roadmap. The technology has the highest average sector capacity, the strongest cell edge performance, and the lowest cost per megabit of any standards-based mobile technology available today, making it an ideal platform for data-centric and data-intensive mobile deployments.

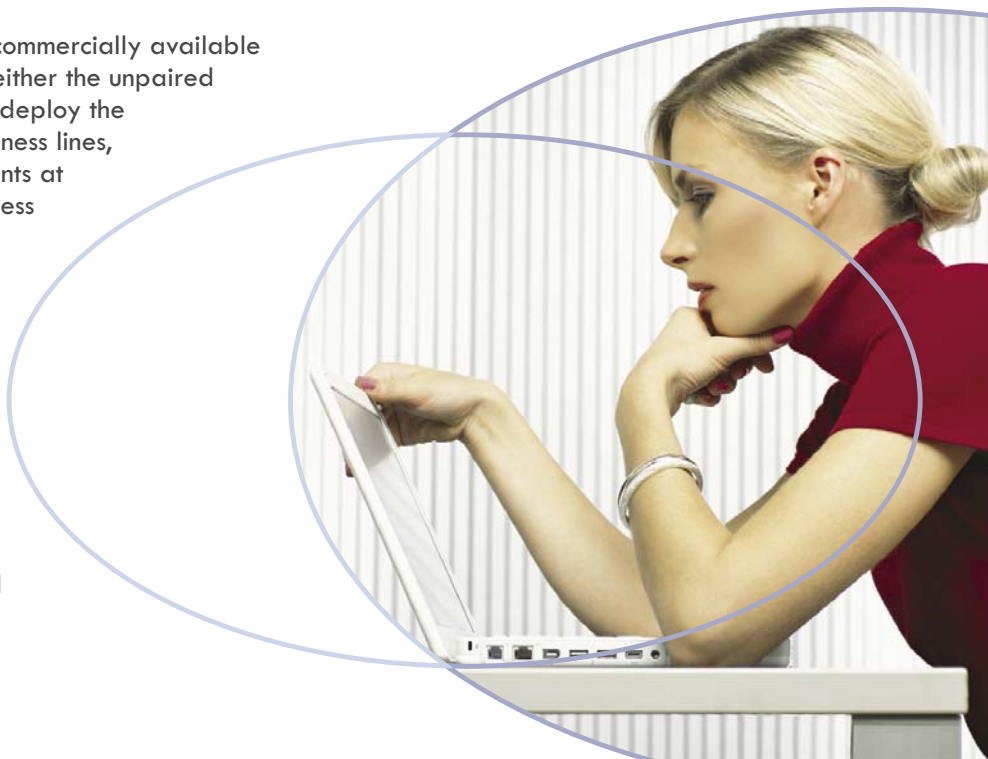
## *How IPWireless Can Work for You*

### *Mobile Operators*

Mobile Broadband from IPWireless is the first commercially available technology that has been designed to work in either the unpaired or paired UMTS spectrum bands. Carriers that deploy the IPWireless solution can launch positive-ROI business lines, and meet or exceed their 3G rollout requirements at a fraction of the foreseen budget. The IPWireless solution allows operators to leapfrog weaker technologies and offer broadband-speed data to fixed and mobile customers in a cellular environment.

### *Broadband Service Providers*

The IPWireless Mobile Broadband solution offers plug-and-play simplicity, wide coverage beyond fixed lines reach, total mobility, low cost, and proven market appeal that enables you to offer broadband data and voice services that blow away cable and DSL.



# The IPWireless Network

Range of cost effective network interface devices



IPW Laptop PCMCIA Card



UMTS TD-CDMA VoIP Handset



IPW Desktop PC Modem



Other UMTS TD-CDMA Vendor Solutions



UMTS TD-CDMA Chipset

Complete UMTS TD-CDMA Network Solution



IPW Outdoor Single Sector Node B

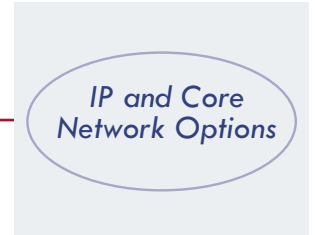


IPW Rack Mounted Node B System



IPW Network Controller (Integrated Network Controller or TDD RNC)

Choice of all IP core or integrating to legacy mobile networks



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Intranet  
Extranet



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