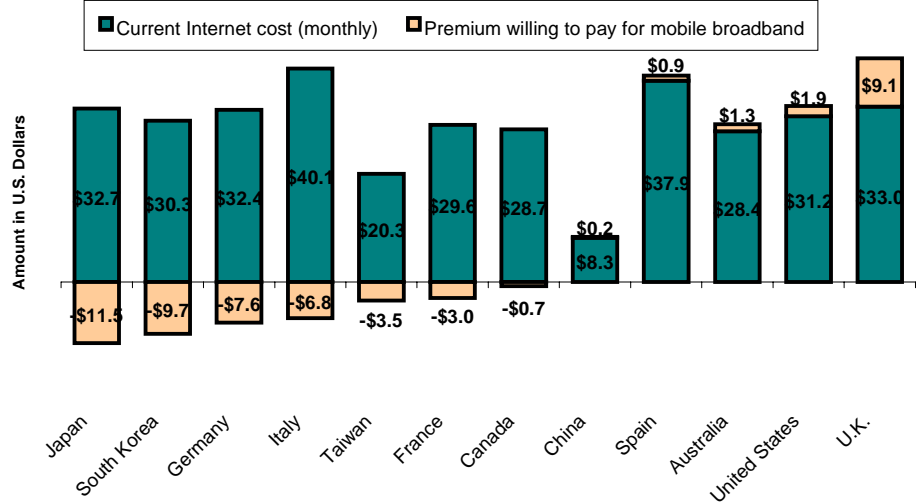


Synopsis

This report examines next-generation mobile broadband wireless solutions, including 801.16e/WiBro, FLASH-OFDM, and cellular solutions. It analyzes potential market opportunities, examines the competitive equipment and service industry landscape, shares consumer perspectives on mobile broadband wireless solutions, and provides market-sizing information.

Price Sensitivity to Mobile Broadband compared with Current Costs

Differential between Current Internet Costs & Amount Internet Users Are Willing to Pay for Mobile Broadband Services



Source: *Global Digital Living*, a survey of more than 10,000 consumers in 13 countries
© 2007 Parks Associates

Publish Date: Apr 07

“The road warrior market offers great ARPU potential but is limited in size,” said Yuanzhe (Michael) Cai, Director, Broadband & Gaming. “In order to expand beyond this segment, mobile carriers need to provide application-centric rather than access-centric mobile broadband services and offer a variety of flexible business models that fit consumers’ usage patterns.”

Contents

The Bottom Line is a concise, executive-level summary of the current state of the market, evolutionary path, and the implications for companies doing business in this space.

A Parks Associates' Resource Book contains a wealth of consumer survey data and company profiles—a must-have reference for product/market planning.

The Bottom Line

- 1.0 Notes on Methodology**
- 2.0 Definition of Mobile Broadband**
- 3.0 The Changing Service Provider Market**
 - 3.1 Trends in Mobile/Cellular Services
 - 3.1.1 U.S.
 - 3.1.2 Global Perspectives
 - 3.2 Trends in Broadband and Bundled Services
 - 3.2.1 U.S.
 - 3.2.2 Global Perspectives
- 4.0 Technology Overview**
 - 4.1 3GPP Technologies
 - 4.2 3GPP2 Technologies
 - 4.3 Alternative Technologies
 - 4.3.1 WiMAX: 802.16e
 - 4.3.2 Other Mobile Broadband Technologies
 - 4.4 Defining 4G
 - 4.4.1 4G Initiatives
 - 4.4.2 Key 4G Technology Components
 - OFDM/OFDMA Modulation

MIMO and Beam Forming
IMS
4.4.3 IPR Issues
4.4.4 Who Will Win the 4G Race?

5.0 Industry Dynamics and Service Provider Trends

5.1 Analysis of the Vendor Market
5.1.1 Semiconductor Vendors
5.1.2 System Vendors
5.2 Deployments and Trials of Mobile Broadband Services
5.2.1 Overview of Key Global Operators
5.2.2 3G and 3.5G Deployment Status
W-CDMA/HSDPA
CDMA 2000 EV-DO/Rev. A
WiBro and Mobile WiMAX
5.3 New Market Entrants
5.4 China: The X Factor
5.5 India: the Sleeping Giant
5.6 Regulatory and Spectrum Issues
5.7 Consumer Demand and Business Models
5.7.1 Lessons from 3G
5.7.2 Road Warrior vs. Mass Market Consumers
5.7.3 Business as Usual or Disruptive Models
5.7.4 End-User Applications
5.7.5 End-User Platforms

6.0 Market Forecasts

6.1 Forecast Methodology
6.2 Mobile Broadband Subscriber Forecast
6.2.1 US
6.2.2 Global

Resource Book

Section I: Adoption of Nomadic/Mobile Broadband Services

Section II: Demand for Mobile Broadband Services

Interest in Adopting Mobile Broadband
Target Markets for Mobile Broadband
Price Sensitivity
Likely Usage Scenarios
Convergence Phones or Connected Portable Devices

Section III: Mobile Broadband Applications

Section IV: Global Perspectives

Section V: Profiles of Semiconductor Companies

Beceem Communications
Fujitsu Microelectronics America
Intel
PicoChip Designs Limited
Sequans Communications
Texas Instruments
Wavesat
Runcom Technologies Ltd.

Section VI: Profiles of System Vendors

Adaptix
 Airspan
 Alcatel Lucent
 Alvarion
 Aperto Networks
 ArrayComm Inc.
 Ericsson
 Huawei Technologies Company, Ltd.
 IPWireless
 Motorola
 Navini
 NextWave Wireless
 Nokia Siemens Networks
 Nortel Networks
 Samsung Group
 ZTE

Section VII: Profiles of Selected Service Providers

AT&T (formerly Cingular) Wireless
 Clearwire
 Orange (France Telecom)
 KDDI Corporate
 KT Corporation
 NTT DoCoMo Inc.
 Softbank Corp
 South Korean Telecom
 Sprint Nextel Corp.
 Telecom Italia
 Telefonica
 T-Mobile
 Verizon Wireless
 Vodafone

Figures

The Bottom Line

Key Drivers for Mobile Broadband Services
 Forecast of U.S. Mobile Phone Subscribers (2005-2010)
 U.S. Operators' Total ARPU and Data ARPU Growth
 3G Services in Japan: Subscribers and Revenue (2004-2006)
 European 3G Market Overview
 U.S. Residential Broadband Bundled Service Subscribers: 2005-2010
 The Transformation of Service Delivery Networks
 Overview of Top European Broadband Countries (with more than 1 Million Lines)
 Top European Broadband Service Providers
 Overview of 3GPP Technologies
 Overview of 3GPP2 Technologies
 WiMAX Network Standards Roadmap
 Summary of Alternative Mobile Broadband Technologies
 An IMS Framework
 IMS Deployments of Major Telecom Vendors

3GPP and 3GPP2 Essential Patents
 Top Ten OFDM Patent Holders (Ranked by Total Number of Patent Applications)
 3G and Beyond: Mobile Broadband Technologies
 Mobile Broadband Semiconductor Industry Five Forces Analysis
 Summary of Selected Mobile Broadband Semiconductor Vendors
 Summary of Key System Vendors
 Overview of Key Global Operators and Their 3G/3.5G Deployments
 Worldwide Adoption of 3G Technologies
 WCDMA Subscribers by Operator
 WCDMA Penetration (Top 10 Countries)
 CDMA 2000 1x EV-DO Subscribers by Operator
 Leading Pre-WiMAX/WiMAX Service Providers by Subscriber Count (YE 2006)
 WiMAX in China
 Overview of the Indian Mobile Market (February 2007)
 New Rounds of Spectrum Frequency Allocation around the World
 Wireless Data ARPU of Major Global Carriers
 Data Revenues from 3G Services
 NTT DoCoMo: 3G Penetration Growth and Data ARPU Difference between 2G and 3G Subscribers
 Consumer Interest in Wireless Broadband at \$35 and Potential Market Size (13 Countries)
 Premium that Internet Users Are Willing to Pay for Mobile Broadband Services
 Comparing WiBro and HSDPA Business Plans in South Korea
 Frequency of Using Different Mobile Phone Functions by Age: At Least Weekly
 Percentage of Consumer Clusters among High Intenders for Various Mobile Entertainment Services
 Growth of Demand for Mobile Broadband Data Cards
 Forecast of U.S. Cellular Subscribers and Mobile Broadband Users
 U.S. Mobile Broadband Users by Technology (2006-2012)
 Global Forecast of Cellular Subscribers and Mobile Broadband Users (2006-2012)
 Forecast of Global Cellular Subscribers by Region (2006-2012)
 Forecast of Global Mobile Broadband Users by Region (2006-2012)
 Forecast of Global Mobile Broadband Users by Technology (2006-2012)

Resource Book

Familiarity with a Hot Spot Service
 Familiarity with a Mobile Broadband Internet Service
 Interest in Subscribing to a Mobile Broadband Service in Expected Price Range
 Interest in Subscribing to a Mobile Broadband Service by Familiarity with and Adoption of Such Services
 Mobile Broadband High Intenders: by Age
 Mobile Broadband High Intenders: by Gender
 Mobile Broadband High Intenders: by Income
 Mobile Broadband High Intenders: by Education
 Mobile Broadband High Intenders among Telecommuters and Self-Employed
 Mobile Broadband High Intenders More Likely to Be Local Travelers
 Mobile Broadband High Intenders More Likely to Be National/International Travelers

Interest in Subscribing to a Mobile Broadband Service by Current Mobile Phone Service Providers
 Interest in Subscribing to a Mobile Broadband Service in Expected Price Range Crossed by Owners and Intenders for Different Portable Devices
 Interest in Subscribing to a Mobile Broadband Service by Type of Internet Subscription
 How Much Do You Think a Mobile Broadband Internet Service Should Cost Per Month?
 Low Price Sensitivity toward Mobile Broadband
 Acceptable Monthly Fees for Plain Mobile Broadband Access and Mobile Broadband with Free VoIP
 On Which Platform Would You Be Most Interested in Using a Mobile Broadband Wireless Service?
 Top Three Locations to Use Mobile Broadband Services
 Home an Important Location for Mobile Broadband Coverage
 Most Frequently Carried and Used Portable/Mobile Devices
 Purchase Preference for Mobile Entertainment Devices
 Important Features for a Desired Portable Device by Preference of a Standalone vs. Convergence Device
 Frequency of Replacing Cell Phones by Preference of a Standalone vs. Convergence Mobile Device
 Price Sensitivity for a Mobile Device with Desired Functions and Features
 Top 3 Uses for Mobile Broadband Wireless Service Applications: Information and Connection Purposes
 Top 3 Uses for Mobile Broadband Wireless Service Applications: Entertainment and Other Purposes
 Interest in Different Mobile Broadband Applications by Interest in Mobile Broadband Applications
 Frequency of Using Different Mobile Phone Functions by Age: At Least Weekly
 Percentage of Internet Users Interested in a Wireless Broadband Service at \$35/month (13 Countries)
 Average Price Willing to Pay for a Mobile Broadband Service (13 Countries)

Attributes	
<p>Parks Associates 5310 Harvest Hill Road Suite 235 Lock Box 162 Dallas TX 75230-5805</p> <p>800.727.5711 toll free 972.490.1113 phone 972.490.1133 fax</p> <p>parksassociates.com sales@ parksassociates.com</p>	<p>Authored by Yuanzhe (Michael) Cai and James Kuai Executive Editor: Tricia Parks Published by Parks Associates</p> <p>© May 2007 Parks Associates Dallas, Texas 75230</p> <p>All rights reserved. No part of this book may be reproduced, in any form or by any means, without permission in writing from the publisher.</p> <p>Printed in the United States of America.</p> <p>Disclaimer Parks Associates has made every reasonable effort to ensure that all information in this report is correct. We assume no responsibility for any inadvertent errors.</p>