

Converged Wireless VoIP Handsets & Equipment

Current Markets (2005-6) & Forecasts (2007-12)

The marriage of VoIP and wireless technology has gained a lot of attention in the last couple of years, with many industry experts believing it to be the next killer application to revolutionise the telecoms space. This report addresses the potential and challenges associated with implementing VoIP wireless technology, combining over 30 leading industry interviews, and valuable forecasts for equipment & handset markets. It offers a clear understanding of current market activity and future potential, focusing on business opportunities for VoIP over Wi-Fi/WiMAX, and the drivers and barriers to successful VoIP over Wi-Fi adoption; while evaluating technologies & challenges associated with interoperability between wireless & cellular infrastructure.

Top Questions Answered by this Report:

- What are the current market shares of wireless VoIP Equipment vendors in the market?
- What implications can VoIP over Wi-Fi technology have on providers, operators, and hotspot owners?
- What are the latest trends that have emerged in the VoIP over Wi-Fi equipment markets?
- How large will the market for wireless VoIP technology be in terms of shipments and revenue by the year 2012?
- Why is the dual mode cellular/VoIP over Wi-Fi handset market expected to show a phenomenal growth in the coming years?
- What are the challenges for VoIP over Wi-Fi/cellular convergence technology and the factors that will determine the rate of adoption?

Key Benefits:

- A unique source of research, analysis and information for wireless VoIP technologies, market characteristics and forecasts.
- Practical analysis of the emerging opportunities available to vendors, operators and content providers.
- Unique insights: Over 30 interviews with leading industry players.
- Actual market shipments analysis for 12 months to June 2006.

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Converged Wireless VoIP: Analysis & Forecasts

report overview

This report provides a detailed assessment of the current market as well as five year forecasts of shipments and revenues for VoIP over Wi-Fi equipment and handset markets. It focuses on worldwide enterprise access points, WLAN switch mobility controllers, single mode and cellular dual mode handsets, and single mode VoIP over Wi-Fi handset chipsets; and is an invaluable source of reference for vendor market share between July 2005 – June 2006. It also considers the current state of wireless VoIP technologies including the drivers and barriers associated with VoIP over Wi-Fi, the business opportunities for VoIP over Wi-Fi/WiMAX, wireless mesh, and the technological challenges, implications and rates of adoption for Wi-Fi/cellular convergence.

Author: Basharat Hamid Ashai (Analyst)

analysis & forecasts

Report Analysis

Current Market (2005-6) Analyses worldwide market share of equipment shipments & revenues by region for July '05-June '06.

Forecasting to 2012 Plan ahead with invaluable handset and equipment market projections.

Leading Industry Interviews Gain priceless insiders perspectives with in-depth interviews profiling over 30 of today's market leading industry players.

Uncovering Market Potential Consider the business opportunities for VoIP over Wi-Fi/WiMAX, and the drivers & barriers facing VoIP over Wi-Fi adoption.

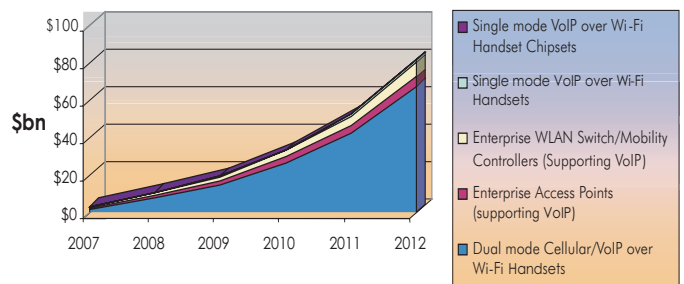
Technology for the Future? Identify and understand the technological challenges, adoption rates, and IMS implications and requirements for, and posed by, the introduction of VoIP over Wi-Fi/cellular convergence.

Market Forecast Suite (2007-2012)

VoIP over Wi-Fi Equipment Worldwide enterprise access point (supporting VoIP): Shipments (m) & revenues (\$m); Worldwide enterprise WLAN switch/mobility controller (supporting VoIP): Shipments (m) & revenues (\$bn); Regional (2007-2012)

VoIP over Wi-Fi Handset Worldwide single mode: Shipments (m) & shipment revenues (\$m); Chipset shipments (m) & chipset revenues (&m); Worldwide dual mode cellular: Shipments (m) & shipment revenues (\$bn); Regional (2007-2012)

Worldwide Revenues (\$bn) from Different VoIP over Wi-Fi Equipment Segments 2007-2012



Expert Assessment Benefit from the clear analytical mind of a well respected forward-thinking market analyst.

our background

Juniper Research specialise in providing high quality analytical research reports & consultancy services to the telecoms industry. We have particular expertise in mobile, wireless, broadband & IP-convergence.

Juniper is independent & provides authoritative assessments of markets, technologies & industry players. Our analysts are experienced senior managers with proven track records in each of their specialist fields.

Each report is thoroughly researched, intelligently written & proof-read by qualified experts prior to publication. The report offers a rich mix of graphics, illustrations, technology roadmaps and tables.

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Executive Summary

[10 pages]

1. VoIP Enters Wireless Technology

[12 pages]

VoIP over Wi-Fi

- Market activity 2005-2006 & beyond: Service provider movements; Early vertical markets
- Technical challenges: Quality of service; Handoffs; Security; Battery life of handsets; Access point capacity; Interoperability

VoIP over WiMAX; VoIP over Wireless Mesh; VoIP over Wi-Fi/ Cellular Convergence

The Business Case for Entering the VoIP over Wi-Fi Market

- The enterprise perspective; The service provider perspective

2. VoIP Markets

[8 pages]

VoIP over Wi-Fi Player Implications

- Fixed line operators (Incumbents); VoIP service providers (Cable & DSL); Internet service providers; Wireless Internet service providers; Hotspot owners; 3G operators

VoIP over Wi-Fi/WiMAX Business Opportunities

- Residential market; Small to medium sized business market; Enterprise market; Developing countries; Greenfield deployments

VoIP over Wi-Fi Drivers/Barriers

- Drivers: Cost; Mobility; Employee productivity; Hassle free equipment installation
- Barriers: Regulation; Public apprehension

3. VoIP over Wi-Fi Equipment Markets

[14 pages]

Thick vs Thin Access Points

- Increase in radio channels; Operating systems; Standards development; Roaming; MIMO technology
- Shipment and revenues July 2005-June 2006: Enterprise access point

(supporting VoIP) vendor market share at regional level and worldwide

Forecasts 2007-2012

- Worldwide enterprise access point: Shipments (m) & revenue (\$m) by region

Wireless LAN Switches/Mobility Controllers (Supporting VoIP)

- Mobility controllers; Acceptance & affordability
- July 2005-June 2006: Shipments and revenues; Vendor market share at regional level and worldwide

Forecasts 2007-2012

- Worldwide enterprise WLAN switch/mobility controllers: Shipments (m) & revenue (\$bn) by region

4. VoIP over Wi-Fi Handset Market

[22 pages]

Single Mode VoIP over Wi-Fi Handsets

- The market; Price; Standards based technology & SIP; Single vs dual mode
- Single mode VoIP over Wi-Fi handset market (July 2005-June 2006): Handset shipments includes vendor market share at regional level and worldwide

Forecasts 2007-2012

- Worldwide single mode VoIP over Wi-Fi handset: Shipments (m) & revenues (\$m) by region

Dual Mode Cellular/VoIP over Wi-Fi Handset Market

- Adoption & key trends; UMA & SIP
- Handset shipments (July 2005-June 2006): Vendor market share at regional level and worldwide

Forecasts 2007-2012

- Worldwide dual mode cellular/VoIP over Wi-Fi handset: Shipments (m) & revenues (\$bn) by region

Single Mode VoIP over Wi-Fi Handset Chipset Market

- Power consumption
- Chipset shipments (July 2005-June 2006): Vendor market share by region and worldwide

Forecasts 2007-2012

- Worldwide single mode VoIP over Wi-Fi handset chipset: Shipments (m) & revenue (\$bn) by region

5. VoIP over Wi-Fi/Cellular Convergence

[10 pages]

Technological Challenges

- Impact on the network; Convergence & the access layer; Handset support; IMS; Operator co-operation

The Rate of Adoption of VoIP over Wi-Fi/Cellular Convergence

- Capability & availability; Market activity; Other pieces of the jigsaw

Impact of Delay in Standards

- Standards evolution; Interoperability & compatibility

IMS Implications for Wireless VoIP Sector

- IMS benefits for wireless VoIP services; Scalability & interoperability; Adoption; The value add

SIP and IMS Interoperability

- Adoption of SIP; Transferring applications between networks

IMS Requirements for Wireless VoIP Service; Stop-gap vs Full Blown Solution; IMS Deployments for Wireless VoIP

6. Case Studies

[30 pages]

Leading Industry Player Profiles & Interviews

- Agere Systems; Alvarion; Aruba Networks; Atheros Communications; Avaya; BelAir Networks; Bluesocket; Bridgeport Networks; Broadcom Corporation; Cicero Networks; Colubris Networks; D-Link; DiVitas Networks; Extricom; Firetide; Kineto Wireless; Meru Networks; NEC; NTT DoCoMo; Proxim Wireless; Qualcomm; Samsung; SkyPilot; SpectraLink; Strix Systems; Symbol Technologies (acquired by Motorola); Tata Systems; Texas Instruments; Trapeze Networks; Trinity Convergence; Tropos Networks; Xirrus; ZyXEL

7. Organisations Supporting VoIP over Wi-Fi

[2 pages]

Wi-Fi Alliance 3GPP

116 Pages

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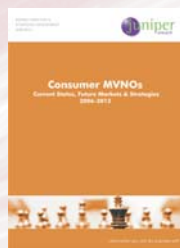
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