

Wireless Communication Chipsets (Wi-Fi/WLAN, Wireless Display/Video (HD & WHDI), Mobile WiMAX & LTE (4G), ZigBee, 802.11, 802.15.4 & 802.16) Market in Consumer Electronics & Automation Applications, Global Forecast & Analysis (2012 – 2017)

<https://marketpublishers.com/r/W6B332F0C84EN.html>

Date: October 2012

Pages: 601

Price: US\$ 5,650.00 (Single User License)

ID: W6B332F0C84EN

Abstracts

This report, based on the extensive research study of the wireless communication chipsets market and the related wireless semiconductor industries, is aimed at identifying the entire market of specifically the Wi-Fi/WLAN chipsets, Wireless Display/Video chipsets, Mobile WiMAX & LTE chipsets and ZigBee chipsets in Consumer and Automation applications. The report covers the overall market and sub-segment markets through extensively detailed classifications, in terms of both - revenue and shipments.

This report is focused on giving a bird's eye-view of the complete wireless semiconductor industry with regards to the wireless chipsets market with detailed market segmentations; combined with qualitative analysis at each and every aspect of the classifications done by special technologies, IEEE standard, form factor, design architecture, products, devices, applications, and geography. All the numbers, both - revenue & volume, at every level of detail, are forecasted till 2017 to give a glimpse of the potential revenue base in each of the wireless chipset markets.

In the aspect of the Wi-Fi/WLAN chipsets and ZigBee chipsets in all crucial digital consumer electronics and high-growth segments of automation such as home automation, building automation and industrial automation; in the aspect of relatively new & emerging Wireless Display/Video chipsets and Mobile WiMAX and LTE chipsets, the report majorly focuses on their markets in major digital consumer electronics such as smartphones, tablet PCs, laptops, and set-top boxes.

The report also focuses on a technological front, with detailed classification of each of the wireless chipset markets by IEEE standards & protocols (except LTE), special technologies in chipsets such as Low-power WLAN, HD Display & Video, Multi-mode LTE, and Dual-protocol ZigBee. The report also includes detailed market & technology roadmaps, timelines & evolution of each of the wireless chipsets & related technologies, along with a detailed Porter's analysis of the current wireless chipset markets.

The report also focuses on various geographical markets for each of the wireless chipset markets, on the major geographical revenue bases and gives the market forecasts & estimates by major geographical regions – North America, Europe, Asia-Pacific, and Rest of the World. Each of the major geographical markets is sub-segmented for the wireless communication chipsets market by major countries & economies – U.S., Canada, and Mexico for North America, U.K., Germany, and France for Europe, China, India, South Korea, and Japan for Asia-Pacific, and Latin-South America and Middle East for Rest of the World.

A competitive landscape of the current market is analyzed by the market share analysis for each of the wireless chipset markets, with revenue, market shares, and market share rankings of the current key players. All the other details of the key players in the entire value chain such as key wireless products, launches, technologies, industry partners, financials, and growth strategies are discussed in the extensive company profiles section covering key chipset manufacturers, other key players in the value chain, and those of complementary technologies.

The competitive information in this report's competitive landscape and company profiles sections include market shares of market leaders for each of the wireless chipsets, key developments, and core strategies deployed to win, mergers & acquisitions, new product developments, collaborations, ratification of standards, agreements, certifications and JVs for key players.

The report also analyzes the market by discussing the market dynamics such as its growth influencing factors, drivers, restraints, opportunities, burning issues, winning imperatives, Porter's five forces, and other market trends. The wireless chipset prices and the price dynamics of each type of wireless chipset, in several major application segments have been discussed and analyzed in brief, with an emphasis on dynamics of price changing factors.

The entire market's gigantic value chain is also included and all the industry segments

have been entailed, with analysis of the strengths, weaknesses & dynamics of various industry segments such as EDA & Design Tool, IP & Technology Platforms, chipset component manufacturers, chipset manufacturers, direct and final product OEMs, and Assembly, Testing & Packaging along with the current trends.

In total, combining the revenue of the five major types of wireless chipsets in the research study's scope (Wi-Fi, Wireless Display/Video, Mobile WiMAX, Mobile LTE and ZigBee) the overall 'wireless communication chipset market revenue in consumer electronics & automation applications is expected to reach \$20.4 billion, growing at a CAGR more than of 20% from 2012 to 2017. On the shipments front, the overall shipments are expected to reach 4.86 billion units by 2017, at a CAGR more than 29% from 2012 to 2017 (a higher CAGR than that of revenues, due to expected reduction in prices of chipsets).

Scope & Markets Covered

The complete market viewed and analyzed in this report is only for 'wireless communication chipsets' in all the aspects and chapters. Under the term 'wireless communication chipsets', only four major wireless chipset groups are considered under the market scope. They are Wi-Fi/WLAN chipsets, Wireless Display/Video chipsets (all the various types in the market), Mobile WiMAX & LTE chipsets, and ZigBee chipsets. Besides, these wireless chipsets are considered in only two major application sectors – consumer electronics & automation, in the market scope.

The market scope does not include any other chipsets - wired communication & connectivity, processors (application & graphics) and any other "standalone" wireless connectivity chipsets (GPS, NFC, GNSS, RF, NFC, GPS, GNSS, WiGig, UWB (Ultra-Wide Band), Bluetooth, etc.).

However, for combination chipsets integrated with any of the 4 major wireless technologies considered along with any other wireless technology, the overall chipsets' price is considered for market statistics & calculations. For example, a combination chipset with GPS and Wi-Fi functionalities is considered under the market statistics of Wi-Fi chipsets, and a complex combination chipset NFC and Wireless Display/Video functionalities integrated is considered under the market for Wireless Display/Video functionalities.

In this report, the global wireless communication chipsets market and industry is fully segmented into the following categories and covered by the following aspects:

Wireless Communication Chipsets (Wi-Fi/WLAN, Wireless Display/Video (HD & WHDI), Mobile WiMAX & LTE (4G), ZigB...

Value chain & industry segments: wireless chipset industry value chain, EDA & design tool vendors, IP and technology platform vendors, chipset component manufacturers, integrated Device Manufacturers (IDMs) and Fabless players, Original Device Manufacturers (ODMs) or Chipset Manufacturers, Original Equipment Manufacturers (OEMs) or Final product manufacturers, and Assembly, Testing & Packaging (ATP) players

Overall/Parent markets: Global Wireless Communication Chipsets market, Global Wi-Fi/WLAN chipsets market, Global Wireless Display/Video chipsets market, Global Mobile WiMAX chipsets market, Global LTE chipsets market and Global ZigBee chipsets market

Market by Technology: Market by IEEE standards & frequencies, Market by Form-Factor and Market by Special Chipsets

Market by IEEE standards & frequencies: 802.11a/b/g/h, 802.11n, 802.11ac and 802.11ad for Wi-Fi/WLAN chipsets, 802.11n, 802.11ad and 802.15.3c for Wireless Display/Video chipsets, 802.16e and 802.16m for Mobile WiMAX chipsets, 802.15.4 for ZigBee chipsets

Market by Form-Factor: System-on-Chip based Chipsets – Mobile & Tablet SoC chipsets, Other (TV, Set-top Box) SoC chipsets; IC based Chipsets – consumer & automation

Market by Special Chipsets: Low-power and Traditional for Wi-Fi/WLAN chipsets, HD and Traditional for Wireless Display/Video chipsets, Stand-alone and Combination for Mobile WiMAX & LTE chipsets, Single-protocol and Dual/Multi-protocol for ZigBee chipsets and Single-mode and Multi-mode for LTE chipsets

Market by Application: Market in Consumer Applications, Market in Automation Applications

Market in Consumer Applications: Each type of wireless chipset in Desktop PCs (includes All-in-One PCs), Laptops (includes Notebooks, Notebooks and Ultra-books), Tablets (includes 'Notes'), Smartphones (includes feature phones & PDAs), e-Book readers (includes e-paper displays), Media players (includes portable & non-portable media players), TVs (includes all television & home theatre display systems), Set-top Boxes, Cameras and Others (includes all other consumer applications)

Market in Automation Applications: Wi-Fi/WLAN chipsets and ZigBee chipsets only, in Home Automaton, Building Automation and Industrial Automation

Market by Geography: North America (sub-segmentation by U.S., Canada, Mexico), Europe (sub-segmentation by U.K., Germany, France and others), Asia-Pacific (sub-segmentation by China, Japan, South Korea, India and others), and Rest of the Word (sub-segmentation by Latin-South America, Middle East and others)

Market – Competitive Landscape: Market share analysis separately for Wi-Fi/WLAN, Wireless Display/Video, Mobile WiMAX, Mobile LTE and ZigBee chipset markets

Key Take-Aways

Global wireless communication chipsets (Wi-Fi/WLAN, Wireless Display/Video, Mobile WiMAX & LTE and ZigBee chipsets) market statistics with detailed classifications and splits by revenue and volume

Analysis of the global wireless communication chipsets market with a special focus on high growth technologies in each type of wireless chipset and fast growing market segments

Impact analysis of the market dynamics with factors currently driving and restraining the growth of the market, along with their impact in the short, medium, and long term landscapes

Detailed Porter's analysis, market life cycle analysis along with technology & market roadmaps, evolution & time-lines of each type of chipset and their respective markets

Illustrative and detailed segmentation of the global wireless communication chipset market by end-user verticals and applications

Detailed segmentation of global wireless communication chipsets market by technology with a focus on markets of chipsets by IEEE standards, form-factor & design architecture along with evolution of chipsets by different IEEE 802 protocols

Market forecasts of special types of chipsets such as Low-power Wi-Fi, High Definition Wireless Display/Video, Single & Multi-mode LTE chipsets, and Dual-protocol ZigBee chipsets Illustrative segmentation, analysis, and forecast of the major geographical

markets to give an overall view of the wireless communication chipsets market

The future of each type of wireless chipset market & industry from both - technical and market-oriented perspectives with techno-market oriented roadmaps till 2017

The global consumption of each type of wireless chipset in consumer electronics and automation applications - in several application segments & products and expected consumptions & potential revenue for the next five years

Detailed pricing & cost analysis of each type of wireless chipset, in various applications, along with future scenarios in prices and dynamics of changes in prices

Detailed competitive landscape with identification of the key players in each type of wireless chipsets market, in-depth market share analysis with individual revenue, market shares, and market share rankings

Competitive intelligence from the company profiles, key player strategies, game-changing developments such as product launches and acquisitions

Complete value chain, allied industry segments & value chain analysis of the global wireless chipsets industry and their impacts on the market

Contents

1 INTRODUCTION

- 1.1 KEY TAKE-AWAYS
- 1.2 ANALYST INSIGHTS
- 1.3 REPORT DESCRIPTION
- 1.4 REPORT SCOPE & MARKETS COVERED
- 1.5 STAKEHOLDERS
- 1.6 REPORT ASSUMPTIONS
- 1.7 RESEARCH METHODOLOGY
 - 1.7.1 MARKET SIZE ESTIMATION
 - 1.7.2 MARKET CRACKDOWN & DATA TRIANGULATION
 - 1.7.3 MARKET FORECASTING MODEL
 - 1.7.4 KEY DATA POINTS TAKEN FROM SECONDARY SOURCES
 - 1.7.5 KEY DATA POINTS TAKEN FROM PRIMARY SOURCES
 - 1.7.6 KEY COMPANIES OF PRIMARY RESEARCH

2 EXECUTIVE SUMMARY

3 MARKET OVERVIEW

- 3.1 INTRODUCTION
 - 3.1.1 INDUSTRY SCOPE
 - 3.1.2 OVERVIEW, HISTORY & EVOLUTION
- 3.2 HISTORICAL STATISTICS
- 3.3 DESIGN ARCHITECTURE
 - 3.3.1 Wi-Fi/WLAN
 - 3.3.2 MOBILE WiMAX
 - 3.3.3 MOBILE LTE
 - 3.3.4 ZigBee
- 3.4 INDUSTRY SEGMENTS AND VALUE CHAIN
 - 3.4.1 INTELLECTUAL PROPERTY (IP) & TECHNOLOGY PLATFORM VENDORS
 - 3.4.2 CHIPSET COMPONENT & IC MANUFACTURERS
 - 3.4.3 CHIPSET MANUFACTURERS (ODMs)
 - 3.4.4 OEM (DIRECT OEM & FINAL PRODUCT OEM) VENDORS

4 MARKET ANALYSIS

4.1 INTRODUCTION

4.2 MARKET STATISTICS

4.2.1 GLOBAL WIRELESS CHIPSETS MARKET

4.2.2 GLOBAL WIRELESS CONNECTIVITY CHIPSETS MARKET AND CHIPSETS

INDUSTRY SEGMENTATION

4.2.3 GLOBAL Wi-Fi/WLAN CHIPSETS MARKET

4.2.4 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET

4.2.5 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET

4.2.5.1 Global Mobile WiMAX Chipsets Market

4.2.5.2 Global Mobile LTE Chipsets Market

4.2.6 GLOBAL ZigBee CHIPSETS MARKET

4.3 MARKET DYNAMICS

4.3.1 MARKET DRIVERS

4.3.1.1 System-on-Chip & Embedded technology advancements

4.3.1.2 Launch of New Spectrums (Frequency Bands), Increasing Penetration into Emerging Economies

4.3.1.3 Explosive growth in Handheld & Portable Consumer Electronic Gadgets

4.3.1.4 Technological Advancements & Developments in IEEE protocols, Special Types of Chipsets

4.3.1.5 New Entrants in the market from related industries

4.3.2 MARKET RESTRAINTS

4.3.2.1 Unmet Needs & Issues in Technology Platforms, Intellectual Property, Licensing of Trademarked technologies

4.3.2.2 Increasing manufacturing costs with development of complex embedded chipsets

4.3.3 MARKET OPPORTUNITIES

4.3.3.1 Huge addressable markets for Combination chipsets integrating several wireless technologies

4.3.3.2 Emerging trend of Smart-Homes, Intelligent & Connected Living Rooms

4.4 BURNING ISSUES

4.4.1 HIGH FREQUENCY OF INTERNAL SUBSTITUTION FROM A TECHNOLOGICAL PERSPECTIVE

4.5 WINNING IMPERATIVES

4.5.1 FOCUS ON STRATEGIC ACQUISITIONS FOR INDUSTRY GIANTS & TIER 1 PLAYERS

4.6 PRICING AND COST ANALYSIS

4.6.1 CHIPSETS IN CONSUMER ELECTRONICS

4.6.2 CHIPSETS IN AUTOMATION APPLICATIONS

4.6.3 Wi-Fi/WLAN CHIPSETS BY APPLICATION

4.6.4 WIRELESS DISPLAY/VIDEO CHIPSETS BY APPLICATION

4.6.5 MOBILE WiMAX & LTE CHIPSETS BY APPLICATION

4.6.6 ZigBee CHIPSETS BY APPLICATION

5 INDUSTRY ANALYSIS

5.1 INTRODUCTION

5.2 PORTER'S ANALYSIS

5.2.1 Wi-Fi/WLAN CHIPSETS MARKET

5.2.1.1 Threat from New Entrants

5.2.1.2 Threat from Substitutes

5.2.1.3 Bargaining Power of Suppliers

5.2.1.4 Bargaining Power of Buyers/Customers

5.2.1.5 Degree of Competition

5.2.2 WIRELESS DISPLAY/VIDEO CHIPSETS MARKET

5.2.2.1 Threat from New Entrants

5.2.2.2 Threat from Substitutes

5.2.2.3 Bargaining Power of Suppliers

5.2.2.4 Bargaining Power of Buyers/Customers

5.2.2.5 Degree of Competition

5.2.3 MOBILE WiMAX & LTE CHIPSETS MARKET

5.2.3.1 Threat from New Entrants

5.2.3.2 Threat from Substitutes

5.2.3.3 Bargaining Power of Suppliers

5.2.3.4 Bargaining Power of Buyers/Customers

5.2.3.5 Degree of Competition

5.2.4 ZigBee CHIPSETS MARKET

5.2.4.1 Threat from New Entrants

5.2.4.2 Threat from Substitutes

5.2.4.3 Bargaining Power of Suppliers

5.2.4.4 Bargaining Power of Buyers/Customers

5.2.4.5 Degree of Competition

5.3 MARKET EVOLUTIONS & TECHNOLOGY ROADMAPS

5.3.1 Wi-Fi/WLAN CHIPSETS

5.3.1.1 Wi-Fi/WLAN Chipsets Market Life Cycle

5.3.1.2 Wi-Fi/WLAN Chipsets Technology Roadmap

5.3.2 WIRELESS DISPLAY/VIDEO CHIPSETS

5.3.2.1 Wireless Display/Video Chipsets Market Life Cycle

5.3.2.2 Wireless Display/Video Chipsets Technology Roadmap

5.3.3 WIRELESS BROADBAND CHIPSETS

5.3.3.1 WiMAX Chipsets Market Life Cycle

5.3.3.2 LTE Chipsets Market Life Cycle

5.3.3.3 Wireless Broadband Chipsets Technology Roadmap

5.3.4 ZigBee CHIPSETS

5.3.4.1 ZigBee Chipsets Market Life Cycle

5.3.4.2 ZigBee Chipsets Technology Roadmap

5.3.5 IEEE 802 PROTOCOLS EVOLUTION/TIMELINE IN CHIPSETS

6 MARKET BY TECHNOLOGY

6.1 INTRODUCTION

6.2 MARKET BY IEEE STANDARDS

6.2.1 Wi-Fi & WLAN CHIPSETS

6.2.1.1 802.11a/b/g/h

6.2.1.2 802.11n

6.2.1.3 802.11ac

6.2.1.4 802.11ad

6.2.2 WIRELESS DISPLAY/VIDEO CHIPSETS

6.2.2.1 802.11n

6.2.2.2 802.11ad

6.2.2.3 802.15.3c

6.2.3 MOBILE WiMAX CHIPSETS

6.2.3.1 802.16e

6.2.3.2 802.16m

6.2.4 ZigBee CHIPSETS

6.2.4.1 Overall 802.15.4 Chipsets

6.3 MARKET BY FORM-FACTOR

6.3.1 SYSTEM-on-CHIP (SoC)-BASED PRODUCTS

6.3.1.1 Mobile & Tablet SoC Chipsets

6.3.1.2 Other (TV, Set-top Box) SoC Chipsets

6.3.2 IC-BASED PRODUCTS

6.3.2.1 Consumer Products

6.3.2.2 Automation Products

6.4 MARKET BY SPECIAL CHIPSETS

6.4.1 Wi-Fi/WLAN

6.4.1.1 Low-Power Wi-Fi/WLAN Chipsets Market

6.4.1.2 Traditional Wi-Fi/WLAN Chipsets Market

6.4.2 WIRELESS DISPLAY/VIDEO

- 6.4.2.1 High-Definition Wireless Display/Video Chipsets Market
- 6.4.2.2 Traditional Wireless Display/Video Chipsets Market
- 6.4.3 WiMAX & LTE
 - 6.4.3.1 Stand-alone Mobile WiMAX & LTE Chipsets Market
 - 6.4.3.2 Combination Mobile WiMAX & LTE Chipsets Market
- 6.4.4 MOBILE LTE CHIPSETS MARKET
 - 6.4.4.1 Single-Mode Mobile LTE Chipsets Market
 - 6.4.4.2 Multi-Mode Mobile LTE Chipsets Market
- 6.4.5 ZigBee
 - 6.4.5.1 Single-Protocol ZigBee Chipsets Market
 - 6.4.5.2 Dual/Multi-Protocol ZigBee Chipsets Market

7 MARKET BY APPLICATION

- 7.1 INTRODUCTION
- 7.2 CONSUMER APPLICATIONS
 - 7.2.1 DESKTOP PCs
 - 7.2.1.1 Overall Market
 - 7.2.1.2 By Chipset Type
 - 7.2.2 LAPTOPS, NETBOOKS AND NOTEBOOKS
 - 7.2.2.1 Overall Market
 - 7.2.2.2 By Chipset Type
 - 7.2.3 TABLET PCs
 - 7.2.3.1 Overall Market
 - 7.2.3.2 By Chipset Type
 - 7.2.4 e-BOOK READERS
 - 7.2.4.1 Overall Market
 - 7.2.4.2 By Chipset Type
 - 7.2.5 SMARTPHONES
 - 7.2.5.1 Overall Market
 - 7.2.5.2 By Chipset Type
 - 7.2.6 MEDIA PLAYERS
 - 7.2.6.1 Overall Market
 - 7.2.6.2 By Chipset Type
 - 7.2.7 TVs (& DISPLAY SYSTEMS)
 - 7.2.7.1 Overall Market
 - 7.2.7.2 By Chipset Type
 - 7.2.8 SET-TOP BOXES
 - 7.2.8.1 Overall Market

7.2.8.2 By Chipset Type

7.2.9 CAMERAS

7.2.9.1 Overall Market

7.2.9.2 By Chipset Type

7.2.10 OTHER CONSUMER ELECTRONICS

7.3 AUTOMATION APPLICATIONS

7.3.1 HOME AUTOMATION APPLICATIONS

7.3.1.1 Overall Market

7.3.1.2 By Chipset Type

7.3.2 BUILDING AUTOMATION APPLICATIONS

7.3.2.1 Overall Market

7.3.2.2 By Chipset Type

7.3.3 INDUSTRIAL AUTOMATION APPLICATIONS

7.3.3.1 Overall Market

7.3.3.2 By Chipset Type

8 GEOGRAPHIC ANALYSIS

8.1 INTRODUCTION

8.2 NORTH AMERICA

8.2.1 U.S.

8.2.2 CANADA

8.2.3 MEXICO

8.3 EUROPE

8.3.1 U.K.

8.3.2 GERMANY

8.3.3 FRANCE

8.4 APAC

8.4.1 CHINA

8.4.2 JAPAN

8.4.3 SOUTH KOREA

8.4.4 INDIA

8.5 REST OF THE WORLD

8.5.1 LATIN-SOUTH AMERICA

8.5.2 MIDDLE EAST

9 COMPETITIVE LANDSCAPE

9.1 OVERVIEW

9.2 MARKET KEY PLAYERS

9.3 MARKET SHARE ANALYSIS

9.3.1 Wi-Fi & WLAN CHIPSETS MARKET

9.3.2 WIRELESS DISPLAY/VIDEO CHIPSETS MARKET

9.3.3 MOBILE WiMAX CHIPSETS MARKET

9.3.4 MOBILE LTE CHIPSETS MARKET

9.3.5 ZigBee CHIPSETS MARKET

9.4 COMPETITIVE SITUATION & TRENDS

9.4.1 NEW PRODUCT DEVELOPMENTS & LAUNCHES

9.4.2 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS

9.4.3 MERGERS & ACQUISITIONS

9.4.4 AWARDS, RATIFICATION OF STANDARDS, EXPANSIONS & OTHERS

10 COMPANY PROFILES

(Overview, Financials, Products & Services, Strategy, and Developments)*

10.1 CHIPSET MANUFACTURERS

10.1.1 ALTAIR SEMICONDUCTOR, INC.

10.1.2 AMIMON LTD.

10.1.3 ATMEL CORPORATION

10.1.4 BROADCOM CORPORATION

10.1.5 FREESCALE SEMICONDUCTOR, INC.

10.1.6 GAINSPAN CORPORATION

10.1.7 GCT SEMICONDUCTOR, INC.

10.1.8 GREENPEAK TECHNOLOGIES LTD.

10.1.9 INTEL CORPORATION

10.1.10 MARVELL TECHNOLOGY GROUP

10.1.11 QUALCOMM, INC.

10.1.12 SEQUANS COMMUNICATIONS SA

10.1.13 SILICON IMAGE, INC.

10.1.14 SILICON LABORATORIES, INC.

10.1.15 TEXAS INSTRUMENTS, INC.

10.1.16 WILOCITY LTD.

10.2 OTHER PLAYERS OF THE VALUE CHAIN

10.2.1 ENTROPIC COMMUNICATIONS, INC.

10.2.2 IMAGINATION TECHNOLOGIES GROUP PLC

10.2.3 MAVEN SYSTEMS PVT. LTD.

10.2.4 MINDSPEED TECHNOLOGIES, INC.

10.2.5 NOVATEL WIRELESS, INC.

10.2.6 PROXIM WIRELESS CORPORATION

10.2.7 VIXS SYSTEMS, INC.

10.2.8 WIRELESS MAINGATE AB

10.2.9 WISPRY, INC.

10.2.10 XILINX, INC.

10.2.11 ZIGBEE ALLIANCE

*Details on financials, product & services, strategy, and developments might not be captured in case of unlisted companies.

APPENDIX

ADDITIONAL TABLES

ADDITIONAL FIGURES

KEY SECONDARY SOURCES

RECOMMENDED READINGS

List Of Tables

LIST OF TABLES

TABLE 1 GENERAL ASSUMPTIONS, TERMINOLOGY & APPLICATION KEY NOTES
TABLE 2 YEAR-WISE ASSUMPTIONS
TABLE 3 FORECAST ASSUMPTIONS
TABLE 4 WIRELESS CHIPSETS MARKET REVENUE, BY GEOGRAPHY, 2011 – 2017 (\$MILLION)
TABLE 5 GLOBAL WIRELESS CHIPSETS MARKET IN CONSUMER ELECTRONICS & AUTOMATION APPLICATIONS - REVENUE SEGMENTATION (PERCENTAGE SHARES), 2011-2017
TABLE 6 GLOBAL WIRELESS CHIPSETS MARKET REVENUE IN CONSUMER AND AUTOMATION APPLICATIONS, 2008 – 2012 (\$MILLION)
TABLE 7 GLOBAL WIRELESS CHIPSETS MARKET VOLUMES IN CONSUMER AND AUTOMATION APPLICATIONS, 2008 – 2012 (MILLION UNITS)
TABLE 8 GLOBAL WIRELESS CHIPSETS' VS. GLOBAL WIRELESS CONNECTIVITY CHIPSETS' MARKET REVENUE, 2011 – 2017 (\$BILLION)
TABLE 9 GLOBAL WIRELESS CHIPSETS VS. GLOBAL WIRELESS CONNECTIVITY CHIPSETS MARKET VOLUMES, 2011 – 2017 (BILLION UNITS)
TABLE 10 MAJOR ACQUISITIONS BY LEADERS IN WIRELESS CHIPSETS INDUSTRY SINCE 2005
TABLE 11 WIRELESS CHIPSETS MARKET IN CONSUMER ELECTRONICS - COST & PRICING ANALYSIS OF VARIOUS CHIPSETS (\$USD), 2011 - 2017
TABLE 12 WIRELESS CHIPSETS MARKET IN AUTOMATION APPLICATIONS - COST & PRICING ANALYSIS OF VARIOUS CHIPSETS (\$USD), 2011 - 2017
TABLE 13 COST & PRICING ANALYSIS OF WI-FI/WLAN CHIPSETS IN CONSUMER ELECTRONIC PRODUCTS (\$USD), 2011 - 2017
TABLE 14 COST & PRICING ANALYSIS OF WIRELESS DISPLAY/VIDEO CHIPSETS IN CONSUMER ELECTRONIC PRODUCTS (\$USD), 2011 - 2017
TABLE 15 COST & PRICING ANALYSIS OF MOBILE WIMAX & LTE CHIPSETS IN CONSUMER ELECTRONIC PRODUCTS (\$USD), 2011 - 2017
TABLE 16 COST & PRICING ANALYSIS OF ZIGBEE CHIPSETS IN CONSUMER ELECTRONIC PRODUCTS (\$USD), 2011 - 2017
TABLE 17 GLOBAL WI-FI/WLAN CHIPSETS MARKET REVENUE SEGMENTATION BY IEEE STANDARDS (PERCENTAGE SHARES), 2011 - 2017
TABLE 18 GLOBAL WI-FI/WLAN CHIPSETS MARKET VOLUME SEGMENTATION BY IEEE STANDARDS (PERCENTAGE SHARES), 2011 - 2017
TABLE 19 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE

SEGMENTATION BY IEEE STANDARDS (PERCENTAGE SHARES), 2011 - 2017
TABLE 20 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET VOLUME
SEGMENTATION, BY IEEE STANDARDS (PERCENTAGE SHARES), 2011 - 2017
TABLE 21 GLOBAL MOBILE WIMAX CHIPSETS MARKET REVENUE
SEGMENTATION BY IEEE STANDARDS (PERCENTAGE SHARES), 2011 - 2017
TABLE 22 GLOBAL MOBILE WIMAX CHIPSETS MARKET VOLUME
SEGMENTATION BY IEEE STANDARDS (PERCENTAGE SHARES), 2011 - 2017
TABLE 23 GLOBAL ZIGBEE CHIPSETS AND 802.15.4 CHIPSETS MARKET
REVENUE (PERCENTAGE SHARES), 2011 - 2017
TABLE 24 GLOBAL ZIGBEE CHIPSETS AND 802.15.4 CHIPSETS MARKET VOLUME
(PERCENTAGE SHARES), 2011 - 2017
TABLE 25 GLOBAL WIRELESS CHIPSETS MARKET REVENUE, BY PRODUCT
TYPES (PERCENTAGE SHARES), 2011 - 2017
TABLE 26 GLOBAL WIRELESS CHIPSETS MARKET VOLUME, BY PRODUCT
TYPES (PERCENTAGE SHARES), 2011 - 2017
TABLE 27 GLOBAL WIRELESS CHIPSETS IN SOC BASED PRODUCTS MARKET
REVENUE, BY SOC TYPES (PERCENTAGE SHARES), 2011 - 2017
TABLE 28 GLOBAL WIRELESS CHIPSETS IN SOC BASED PRODUCTS MARKET
VOLUME, BY SOC TYPES (PERCENTAGE SHARES), 2011 - 2017
TABLE 29 GLOBAL WIRELESS CHIPSETS IN IC BASED PRODUCTS MARKET
REVENUE BY APPLICATION SECTOR (PERCENTAGE SHARES), 2011 - 2017
TABLE 30 GLOBAL WIRELESS CHIPSETS IN IC BASED PRODUCTS MARKET
VOLUME BY APPLICATION SECTOR (PERCENTAGE SHARES), 2011 - 2017
TABLE 31 GLOBAL WI-FI/WLAN CHIPSETS MARKET REVENUE, BY SPECIAL
CHIPSET TYPE (PERCENTAGE SHARES), 2011-2017
TABLE 32 GLOBAL WI-FI/WLAN CHIPSETS MARKET VOLUME, BY SPECIAL
CHIPSET TYPE (PERCENTAGE SHARES), 2011 - 2017
TABLE 33 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE BY
SEPCIAL CHIPSET TYPE (PERCENTAGE SHARES), 2011 - 2017
TABLE 34 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET VOLUME BY
SPECIAL CHIPSET TYPE (PERCENTAGE SHARES), 2011 - 2017
TABLE 35 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET REVENUE BY
SPECIAL CHIPSET TYPE (PERCENTAGE SHARES), 2011 - 2017
TABLE 36 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET VOLUME BY
SPECIAL CHIPSET TYPE (PERCENTAGE SHARES), 2011 - 2017
TABLE 37 GLOBAL MOBILE LTE CHIPSETS MARKET REVENUE SEGMENTATION
BY TECHNOLOGY (PERCENTAGE SHARES), 2011 - 2017
TABLE 38 GLOBAL MOBILE LTE CHIPSETS MARKET VOLUME SEGMENTATION
BY TECHNOLOGY (PERCENTAGE SHARES), 2011 - 2017

TABLE 39 GLOBAL ZIGBEE CHIPSETS MARKET REVENUE BY SPECIAL CHIPSET TYPE (PERCENTAGE SHARES), 2011-2017

TABLE 40 GLOBAL ZIGBEE CHIPSETS MARKET VOLUME BY SPECIAL CHIPSET TYPE (PERCENTAGE SHARES), 2011-2017

TABLE 41 GLOBAL WIRELESS CHIPSETS MARKET REVENUE, BY APPLICATIONS (PERCENTAGE SHARES), 2011 - 2017

TABLE 42 GLOBAL WIRELESS CHIPSETS MARKET VOLUME BY APPLICATION SECTOR (PERCENTAGE SHARES), 2011 - 2017

TABLE 43 GLOBAL WIRELESS CHIPSETS MARKET REVENUE IN CONSUMER ELECTRONICS BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 44 GLOBAL WIRELESS CHIPSETS MARKET VOLUME IN CONSUMER ELECTRONICS BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 45 GLOBAL WI-FI/WLAN CHIPSETS MARKET REVENUE IN CONSUMER ELECTRONICS BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 46 GLOBAL WI-FI/WLAN CHIPSETS MARKET VOLUME IN CONSUMER ELECTRONICS BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 47 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE, BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 48 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET VOLUME, BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 49 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET REVENUE, BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 50 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET VOLUME, BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 51 GLOBAL ZIGBEE CHIPSETS MARKET REVENUE IN CONSUMER ELECTRONICS, BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 52 GLOBAL ZIGBEE CHIPSETS MARKET VOLUME IN CONSUMER ELECTRONICS BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 53 COUNTRY-WISE MARKET SHARE IN SMARTPHONE PRODUCT SHIPMENTS

TABLE 54 GLOBAL WIRELESS CHIPSETS MARKET REVENUE IN AUTOMATION BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 55 GLOBAL WIRELESS CHIPSETS MARKET VOLUME IN AUTOMATION BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 56 GLOBAL WI-FI/WLAN CHIPSETS MARKET REVENUE IN AUTOMATION BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 57 GLOBAL WI-FI/WLAN CHIPSETS MARKET VOLUME IN AUTOMATION BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 58 GLOBAL ZIGBEE CHIPSETS MARKET REVENUE IN AUTOMATION BY

APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 59 GLOBAL ZIGBEE CHIPSETS MARKET VOLUME IN AUTOMATION BY APPLICATION (PERCENTAGE SHARES), 2011 - 2017

TABLE 60 GLOBAL WIRELESS CHIPSETS MARKET REVENUE BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 61 GLOBAL WIRELESS CHIPSETS MARKET VOLUME BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 62 GLOBAL WI-FI/WLAN CHIPSETS MARKET REVENUE BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 63 GLOBAL WI-FI/WLAN CHIPSETS MARKET VOLUME BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 64 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE, BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 65 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET VOLUME BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 66 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET REVENUE BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 67 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET VOLUME BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 68 GLOBAL ZIGBEE CHIPSETS MARKET REVENUE BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 69 GLOBAL ZIGBEE CHIPSETS MARKET VOLUME BY GEOGRAPHY (PERCENTAGE SHARES), 2011 - 2017

TABLE 70 WIRELESS CHIPSETS MARKET REVENUE IN NORTH AMERICA BY COUNTRY (PERCENTAGE SHARES), 2011 - 2017

TABLE 71 WIRELESS CHIPSETS MARKET VOLUME IN NORTH AMERICA BY COUNTRY (PERCENTAGE SHARES), 2011 - 2017

TABLE 72 WIRELESS CHIPSETS MARKET VOLUME IN EUROPE BY COUNTRY (PERCENTAGE SHARES), 2011 - 2017

TABLE 73 WIRELESS CHIPSETS MARKET VOLUME IN APAC BY COUNTRY (PERCENTAGE SHARES), 2011 - 2017

TABLE 74 WIRELESS CHIPSETS MARKET VOLUME IN ROW BY REGION (PERCENTAGE SHARES), 2011 - 2017

TABLE 75 GLOBAL WIRELESS CHIPSET MANUFACTURERS - KEY PLAYERS' OVERALL REVENUE, 2010 - 2011 (\$MILLION)

TABLE 76 GLOBAL WI-FI/WLAN CHIPSETS MARKET FOR CONSUMER ELECTRONICS & AUTOMATION APPLICATIONS - MARKET SHARE ANALYSIS, 2010 - 2011 (\$MILLION)

TABLE 77 GLOBAL WI-FI/WLAN CHIPSET MANUFACTURERS MARKET IN

CONSUMER ELECTRONICS AND AUTOMATION APPLICATIONS - MARKET SHARE RANKINGS, 2010 – 2011

TABLE 78 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET IN CONSUMER ELECTRONICS - MARKET SHARE ANALYSIS, 2010 – 2011 (\$MILLION)

TABLE 79 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSET MANUFACTURERS MARKET IN CONSUMER ELECTRONICS - MARKET SHARE RANKINGS, 2010 - 2011

TABLE 80 GLOBAL MOBILE WIMAX CHIPSET MARKET IN CONSUMER ELECTRONICS - MARKET SHARE ANALYSIS, 2010 – 2011 (\$MILLION)

TABLE 81 GLOBAL MOBILE WIMAX CHIPSET MANUFACTURERS IN CONSUMER ELECTRONICS - MARKET SHARE RANKINGS, 2010 – 2011

TABLE 82 GLOBAL MOBILE LTE CHIPSET MARKET IN CONSUMER ELECTRONICS - MARKET SHARE ANALYSIS, 2010 – 2011 (\$MILLION)

TABLE 83 GLOBAL MOBILE LTE CHIPSET MANUFACTURERS IN CONSUMER ELECTRONICS - MARKET SHARE RANKINGS, 2010 - 2011

TABLE 84 GLOBAL ZIGBEE CHIPSETS MARKET IN CONSUMER ELECTRONICS & AUTOMATION APPLICATIONS - MARKET SHARE ANALYSIS, 2010 – 2011 (\$MILLION)

TABLE 85 GLOBAL ZIGBEE CHIPSET MANUFACTURERS MARKET IN CONSUMER ELECTRONICS - MARKET SHARE RANKINGS, 2010 - 2011

TABLE 86 NEW PRODUCT DEVELOPMENTS & LAUNCHES

TABLE 87 AGREEMENTS, PARTNERSHIPS, JOINT VENTURES & COLLABORATIONS, 2009 – 2012

TABLE 88 MERGERS & ACQUISITIONS, 2010 – 2012

TABLE 89 AWARDS, RATIFICATION OF STANDARDS, EXPANSIONS & OTHERS, 2009 – 2012

TABLE 90 ATMEL CORPORATION: OVERALL REVENUE AND REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 91 ATMEL CORPORATION: REVENUE BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$MILLION)

TABLE 92 ATMEL CORPORATION: REVENUE BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 93 BROADCOM CORPORATION: OVERALL REVENUE AND REVENUE FROM WIRELESS SOLUTIONS, 2009 - 2011 (\$BILLION)

TABLE 94 BROADCOM CORPORATION: REVENUE BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$BILLION)

TABLE 95 BROADCOM CORPORATION: REVENUES BY GEOGRAPHY, 2009 – 2011 (\$BILLION)

TABLE 96 FREESCALE SEMICONDUCTOR: OVERALL REVENUE AND REVENUE

FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 97 FREESCALE SEMICONDUCTOR: REVENUE BY PRODUCT SEGMENTS, 2009 – 2011 (\$MILLION)

TABLE 98 FREESCALE SEMICONDUCTOR: REVENUES BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 99 GCT SEMICONDUCTOR, INC.: OVERALL REVENUES AND REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 100 INTEL CORPORATION: OVERALL REVENUE AND REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$BILLION)

TABLE 101 INTEL CORPORATION: REVENUE, BY OPERATING SEGMENTS, 2009 – 2011 (\$MILLION)

TABLE 102 INTEL CORPORATION: REVENUE, BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 103 MARVELL TECHNOLOGY GROUP: OVERALL REVENUE AND REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$BILLION)

TABLE 104 MARVELL TECHNOLOGY GROUP: REVENUES BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$BILLION)

TABLE 105 MARVELL TECHNOLOGY GROUP: REVENUE, BY GEOGRAPHY, 2009 – 2011 (\$BILLION)

TABLE 106 QUALCOMM, INC: OVERALL REVENUE AND REVENUES FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$BILLION)

TABLE 107 QUALCOMM, INC: REVENUE BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$BILLION)

TABLE 108 QUALCOMM, INC: REVENUE BY GEOGRAPHY, 2009 – 2011 (\$BILLION)

TABLE 109 SEQUANS COMMUNICATIONS SA: OVERALL REVENUE AND REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 110 SEQUANS COMMUNICATIONS SA: REVENUE BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 111 SILICON IMAGE, INC: OVERALL REVENUE AND REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 112 SILICON IMAGE, INC: REVENUE BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$MILLION)

TABLE 113 SILICON IMAGE, INC: REVENUE BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 114 SILICON LABORATORIES, INC: OVERALL REVENUE AND REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 115 SILICON LABORATORIES, INC: REVENUE BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 116 TEXAS INSTRUMENTS, INC: OVERALL REVENUE & REVENUE FROM

WIRELESS SOLUTIONS, 2009 – 2011 (\$BILLION)

TABLE 117 TEXAS INSTRUMENTS, INC: REVENUES BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$BILLION)

TABLE 118 TEXAS INSTRUMENTS, INC: REVENUE BY GEOGRAPHY, 2009 – 2011 (\$BILLION)

TABLE 119 ENTROPIC COMMUNICATIONS: OVERALL REVENUES AND REVENUES FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 120 ENTROPIC COMMUNICATIONS: REVENUE BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 121 IMAGINATION TECHNOLOGIES GROUP: OVERALL REVENUE & REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 122 IMAGINATION TECHNOLOGIES GROUP: REVENUES, BY PRODUCT/BUSINESS DIVISIONS, 2009 – 2011 (\$MILLION)

TABLE 123 IMAGINATION TECHNOLOGIES GROUP: REVENUE, BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 124 MAVEN SYSTEMS: OVERALL REVENUE & REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 125 MAVEN SYSTEMS: REVENUE BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$MILLION)

TABLE 126 MAVEN SYSTEMS: REVENUE, BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 127 MINDSPEED TECHNOLOGIES: OVERALL REVENUE & REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 128 MINDSPEED TECHNOLOGIES: REVENUES, BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$MILLION)

TABLE 129 MINDSPEED TECHNOLOGIES: REVENUE, BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 130 NOVATEL WIRELESS: OVERALL REVENUE & REVENUES FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 131 NOVATEL WIRELESS: REVENUES BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$MILLION)

TABLE 132 NOVATEL WIRELESS: REVENUE BY GEOGRAPHY, 2009 – 2011 (\$MILLION)

TABLE 133 PROXIM WIRELESS: OVERALL REVENUE & REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$MILLION)

TABLE 134 XILINX: OVERALL REVENUE & REVENUE FROM WIRELESS SOLUTIONS, 2009 – 2011 (\$BILLION)

TABLE 135 XILINX: REVENUE BY PRODUCT/BUSINESS SEGMENTS, 2009 – 2011 (\$BILLION)

TABLE 136 XILINX: REVENUE BY GEOGRAPHY, 2009 – 2011 (\$BILLION)
TABLE 137 GLOBAL WIRELESS CHIPSETS MARKET REVENUE SEGMENTATION, BY APPLICATION SECTOR, 2011 – 2017 (\$MILLION)
TABLE 138 GLOBAL WIRELESS CHIPSETS MARKET VOLUME SEGMENTATION BY APPLICATION SECTOR, 2011 – 2017 (MILLION UNITS)
TABLE 139 GLOBAL WI-FI/WLAN CHIPSETS MARKET REVENUE SEGMENTATION, BY APPLICATION SECTOR, 2011 – 2017 (\$MILLION)
TABLE 140 GLOBAL WI-FI/WLAN CHIPSETS MARKET VOLUME SEGMENTATION BY APPLICATION SECTOR, 2011 – 2017 (MILLION UNITS)
TABLE 141 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE SEGMENTATION, BY APPLICATION SECTORS 2011 – 2017 (\$MILLION)
TABLE 142 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET VOLUME SEGMENTATION, BY APPLICATION SECTOR, 2011 – 2017 (MILLION UNITS)
TABLE 143 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET REVENUE SEGMENTATION, BY APPLICATION SECTOR, 2011 – 2017 (\$MILLION)
TABLE 144 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET VOLUME SEGMENTATION, BY APPLICATION SECTOR, 2011 – 2017 (MILLION UNITS)
TABLE 145 GLOBAL ZIGBEE CHIPSETS MARKET REVENUE SEGMENTATION, BY APPLICATION SECTOR (\$MILLION), 2011-2017
TABLE 146 GLOBAL ZIGBEE CHIPSETS MARKET VOLUME SEGMENTATION, BY APPLICATION SECTOR, 2011 – 2017 (MILLION UNITS)
TABLE 147 GLOBAL WIMAX ECOSYSTEM CHIPSETS MARKET REVENUE SEGMENTATION (PERCENTAGE SHARES), BY TYPE OF CHIPSET, 2011 – 2017
TABLE 148 GLOBAL LTE ECOSYSTEM MARKET REVENUE SEGMENTATION (PERCENTAGE SHARES), BY TYPE OF CHIPSET, 2011 – 2017

List Of Figures

LIST OF FIGURES

- FIGURE 1 APPLICATION MARKET SCOPE
- FIGURE 2 MARKET ASPECTS COVERED
- FIGURE 3 MARKET CLASSIFICATION
- FIGURE 4 MARKET RESEARCH METHODOLOGY
- FIGURE 5 MARKET SIZE ESTIMATION
- FIGURE 6 MARKET CRACKDOWN & DATA TRIANGULATION
- FIGURE 7 MARKET FORECASTING MODEL
- FIGURE 8 MARKET OVERVIEW - TREE STRUCTURE
- FIGURE 9 INDUSTRY MONETARY CHAIN
- FIGURE 10 TEXAS INSTRUMENTS CC3000 Wi-Fi CHIPSET BLOCK DIAGRAM
- FIGURE 11 REDPINE SIGNALS WLAN 802.11ac SOLUTION ARCHITECTURE
- FIGURE 12 SAMPLE BLOCK DIAGRAM OF 802.11a/b/g WLAN CHIPSET
- FIGURE 13 SAMPLE WiMAX CHIPSET SOLUTION ARCHITECTURE
- FIGURE 14 SAMPLE ARCHITECTURE BLOCK DIAGRAM OF A MOBILE LTE TERMINAL SYSTEM
- FIGURE 15 ZigBee RF4CE CHIPSET DESIGN ARCHITECTURE
- FIGURE 16 ZigBee CHIPSET SAMPLE BLOCK DIAGRAM
- FIGURE 17 COMPLETE VALUE CHAIN (WITH BUSINESS MODELS)
- FIGURE 18 MARKET DYNAMICS - TREE STRUCTURE
- FIGURE 19 GLOBAL WIRELESS CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN CONSUMER ELECTRONICS AND AUTOMATION APPLICATIONS, 2011 - 2017
- FIGURE 20 GLOBAL WIRELESS CONNECTIVITY CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS), 2011 - 2017
- FIGURE 21 CHIPSETS INDUSTRY BREAKDOWN (WITH FORECASTS)
- FIGURE 22 GLOBAL Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN CONSUMER ELECTRONICS AND AUTOMATION APPLICATIONS, 2011 - 2017
- FIGURE 23 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN CONSUMER ELECTRONICS, 2011 - 2017
- FIGURE 24 GLOBAL MOBILE WiMAX CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) CONSUMER ELECTRONICS, 2011 - 2017
- FIGURE 25 GLOBAL MOBILE LTE CHIPSETS MARKET REVENUE (\$BILLION) & VOLUME (BILLION UNITS) IN CONSUMER ELECTRONICS, 2011 - 2017

FIGURE 26 GLOBAL ZigBee CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN CONSUMER ELECTRONICS AND AUTOMATION APPLICATIONS, 2011 - 2017

FIGURE 27 IMPACT ANALYSIS OF MARKET DRIVERS

FIGURE 28 IMPACT ANALYSIS OF MARKET RESTRAINTS

FIGURE 29 IMPACT ANALYSIS OF MARKET OPPORTUNITIES

FIGURE 30 MARKET ANALYSIS - TREE STRUCTURE

FIGURE 31 Wi-Fi/WLAN CHIPSETS MARKET - PORTER'S FIVE FORCE ANALYSIS

FIGURE 32 WIRELESS DISPLAY/VIDEO CHIPSETS MARKET - PORTER'S FIVE FORCE ANALYSIS

FIGURE 33 MOBILE WiMAX & LTE CHIPSETS MARKET - PORTER'S FIVE FORCE ANALYSIS

FIGURE 34 ZigBee CHIPSETS MARKET - PORTER'S FIVE FORCES ANALYSIS

FIGURE 35 Wi-Fi/WLAN CHIPSETS MARKET LIFE CYCLE

FIGURE 36 Wi-Fi/WLAN CHIPSETS TECHNOLOGY ROADMAP

FIGURE 37 WIRELESS DISPLAY/VIDEO CHIPSETS MARKET LIFE CYCLE

FIGURE 38 WIRELESS DISPLAY/VIDEO CHIPSETS TECHNOLOGY ROADMAP

FIGURE 39 WIMAX CHIPSETS MARKET LIFE CYCLE

FIGURE 40 LTE CHIPSETS MARKET LIFE CYCLE

FIGURE 41 WIRELESS BROADBAND CHIPSETS TECHNOLOGY ROADMAP

FIGURE 42 ZigBee CHIPSETS MARKET LIFE CYCLE

FIGURE 43 ZigBee CHIPSETS TECHNOLOGY ROADMAP

FIGURE 44 IEEE 802 PROTOCOLS IN CHIPSETS - WIRELESS TECHNOLOGIES – TIMELINE & EVOLUTION

FIGURE 45 MARKET BY TECHNOLOGY - TREE STRUCTURE

FIGURE 46 MARKET BY IEEE STANDARD – TREE STRUCTURE

FIGURE 47 GLOBAL 802.11g Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 48 GLOBAL 802.11n Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 49 GLOBAL 802.11ac Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 50 GLOBAL 802.11ad Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 51 GLOBAL 802.11n WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 52 GLOBAL 802.11ad WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 53 GLOBAL 802.15.3c WIRELESS DISPLAY/VIDEO CHIPSETS MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 54 WiMAX – IEEE 802 PROTOCOL TIMELINE

FIGURE 55 GLOBAL 802.16e MOBILE WiMAX CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 56 GLOBAL 802.16m MOBILE WiMAX CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 57 GLOBAL 802.15.4 CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 58 MARKET BY FORM-FACTOR – TREE STRUCTURE

FIGURE 59 GLOBAL WIRELESS CHIPSETS IN SoC BASED PRODUCTS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 – 2017

FIGURE 60 GLOBAL WIRELESS CHIPSETS IN MOBILE & TABLET SoC BASED PRODUCTS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 61 GLOBAL WIRELESS CHIPSETS IN OTHER SoC BASED PRODUCTS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 62 GLOBAL WIRELESS CHIPSETS IN IC BASED PRODUCTS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 63 GLOBAL WIRELESS CHIPSETS IN IC BASED CONSUMER PRODUCTS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 64 GLOBAL WIRELESS CHIPSETS IN IC BASED AUTOMATION PRODUCTS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 65 MARKET BY SPECIAL CHIPSETS – TREE STRUCTURE

FIGURE 66 GLOBAL LOW-POWER Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011-2017

FIGURE 67 GLOBAL TRADITIONAL Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 – 2017

FIGURE 68 GLOBAL HIGH-DEFINITION WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 69 GLOBAL TRADITIONAL DISPLAY/VIDEO CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011-2017

FIGURE 70 GLOBAL STAND-ALONE MOBILE WiMAX & LTE CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 71 GLOBAL COMBINATION MOBILE WiMAX & LTE CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011-2017

FIGURE 72 GLOBAL SINGLE-MODE MOBILE LTE CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 73 GLOBAL MULTI-MODE MOBILE LTE CHIPSETS MARKET REVENUE

(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 74 GLOBAL SINGLE-PROTOCOL ZigBee CHIPSETS MARKET REVENUE

(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 75 GLOBAL DUAL/MULTI-PROTOCOL ZigBee CHIPSETS MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 76 MARKET BY APPLICATION – TREE STRUCTURE

FIGURE 77 WIRELESS CHIPSETS DISTRIBUTION AMONG APPLICATIONS
(MARKET PENETRATION)

FIGURE 78 GLOBAL WIRELESS CHIPSETS IN CONSUMER ELECTRONICS

MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS) , 2011 - 2017

FIGURE 79 GLOBAL Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$MILLION) AND
VOLUME (MILLION UNITS) IN CONSUMER ELECTRONICS, 2011 - 2017

FIGURE 80 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS) IN CONSUMER ELECTRONICS, 2011 -
2017

FIGURE 81 GLOBAL MOBILE WiMAX & LTE CHIPSETS MARKET REVENUE

(\$MILLION) AND VOLUME (MILLION UNITS) IN CONSUMER ELECTRONICS, 2011 -
2017

FIGURE 82 GLOBAL ZigBee CHIPSETS MARKET REVENUE (\$MILLION) & VOLUME
(MILLION UNITS) IN CONSUMER ELECTRONICS, 2011 - 2017

FIGURE 83 GLOBAL WIRELESS CHIPSETS IN DESKTOP PCs MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 84 GLOBAL Wi-Fi/WLAN CHIPSETS IN DESKTOP PCs MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 85 GLOBAL MOBILE WiMAX & LTE CHIPSETS IN DESKTOP PCs MARKET
REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 86 GLOBAL WIRELESS CHIPSETS IN LAPTOPS MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 87 GLOBAL Wi-Fi/WLAN CHIPSETS IN LAPTOPS MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 88 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS IN LAPTOPS MARKET
REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 89 GLOBAL MOBILE WiMAX & LTE CHIPSETS IN LAPTOPS MARKET
REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 90 GLOBAL WIRELESS CHIPSETS IN TABLET PCs MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 91 GLOBAL Wi-Fi/WLAN CHIPSETS IN TABLETS MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 92 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS IN TABLETS MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 93 GLOBAL MOBILE WiMAX & LTE CHIPSETS IN TABLETS MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 94 GLOBAL ZigBee CHIPSETS IN TABLETS MARKET REVENUE

(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 95 GLOBAL WIRELESS CHIPSETS IN e-BOOK READERS MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 96 GLOBAL Wi-Fi/WLAN CHIPSETS IN e-BOOK READERS MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 97 GLOBAL WIRELESS CHIPSETS IN SMARTPHONES MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 98 GLOBAL Wi-Fi/WLAN CHIPSETS IN SMARTPHONES MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 99 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS IN SMARTPHONES

MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 100 GLOBAL MOBILE WiMAX & LTE CHIPSETS IN SMARTPHONES

MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 101 GLOBAL ZigBee CHIPSETS IN SMARTPHONES MARKET REVENUE

(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 102 GLOBAL WIRELESS CHIPSETS IN MEDIA PLAYERS MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 103 GLOBAL Wi-Fi/WLAN CHIPSETS IN MEDIA PLAYERS MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 104 GLOBAL WIRELESS CHIPSETS IN TVs & DISPLAY SYSTEMS

MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 105 GLOBAL Wi-Fi/WLAN CHIPSETS IN TV SYSTEMS MARKET REVENUE

(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 106 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS IN TV SYSTEMS

MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 107 GLOBAL ZigBee CHIPSETS IN TV SYSTEMS MARKET REVENUE

(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 108 GLOBAL WIRELESS CHIPSETS IN SET-TOP BOXES MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 109 GLOBAL Wi-Fi/WLAN CHIPSETS IN SET-TOP BOXES MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 110 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS IN SET-TOP BOXES

MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 111 GLOBAL ZigBee CHIPSETS IN SET-TOP BOXES MARKET REVENUE

(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 112 GLOBAL WIRELESS CHIPSETS IN CAMERAS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 113 GLOBAL Wi-Fi/WLAN CHIPSETS IN CAMERAS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 – 2017

FIGURE 114 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS IN CAMERAS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 115 GLOBAL ZigBee CHIPSETS IN CAMERAS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 116 GLOBAL WIRELESS CHIPSETS IN OTHER CONSUMER APPLICATIONS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 117 GLOBAL WIRELESS CHIPSETS IN AUTOMATION APPLICATIONS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 118 GLOBAL Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS) IN AUTOMATION APPLICATIONS, 2011 - 2017

FIGURE 119 GLOBAL ZigBee CHIPSETS MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS) IN AUTOMATION APPLICATIONS, 2011 - 2017

FIGURE 120 GLOBAL WIRELESS CHIPSETS IN HOME AUTOMATION MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 121 GLOBAL Wi-Fi/WLAN CHIPSETS IN HOME AUTOMATION MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 122 GLOBAL ZigBee CHIPSETS IN HOME AUTOMATION & SMART ENERGY MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 123 GLOBAL WIRELESS CHIPSETS IN BUILDING AUTOMATION MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 124 GLOBAL Wi-Fi/WLAN CHIPSETS IN BUILDING AUTOMATION MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 125 GLOBAL ZigBee CHIPSETS IN BUILDING AUTOMATION MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 – 2017

FIGURE 126 GLOBAL WIRELESS CHIPSETS IN INDUSTRIAL AUTOMATION MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 127 GLOBAL Wi-Fi/WLAN CHIPSETS IN INDUSTRIAL AUTOMATION MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 128 GLOBAL ZigBee CHIPSETS IN INDUSTRIAL AUTOMATION MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 129 MARKET BY GEOGRAPHY – TREE STRUCTURE

FIGURE 130 WIRELESS CHIPSETS IN NORTH AMERICA MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 131 Wi-Fi/WLAN CHIPSETS IN NORTH AMERICA MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 132 WIRELESS DISPLAY/VIDEO CHIPSETS IN NORTH AMERICA MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 133 MOBILE WiMAX & LTE CHIPSETS IN NORTH AMERICA MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 134 ZigBee CHIPSETS IN NORTH AMERICA MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 135 WIRELESS CHIPSETS IN NORTH AMERICA MARKET REVENUE (\$MILLION) SEGMENTATION BY COUNTRY, 2011 - 2017

FIGURE 136 WIRELESS CHIPSETS IN U.S. MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 137 WIRELESS CHIPSETS IN CANADA MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 138 WIRELESS CHIPSETS IN MEXICO MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 139 WIRELESS CHIPSETS IN EUROPE MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 140 Wi-Fi/WLAN CHIPSETS IN EUROPE MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 141 WIRELESS DISPLAY/VIDEO CHIPSETS IN EUROPE MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 142 MOBILE WiMAX & LTE CHIPSETS IN EUROPE MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 143 ZigBee CHIPSETS IN EUROPE MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 144 WIRELESS CHIPSETS IN EUROPE MARKET REVENUE (\$MILLION) SEGMENTATION BY COUNTRY, 2011 - 2017

FIGURE 145 WIRELESS CHIPSETS IN U.K. MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 146 WIRELESS CHIPSETS IN GERMANY MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 147 WIRELESS CHIPSETS IN FRANCE MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 148 WIRELESS CHIPSETS IN ASIA-PACIFIC MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 149 Wi-Fi/WLAN CHIPSETS IN ASIA-PACIFIC MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 150 WIRELESS DISPLAY/VIDEO CHIPSETS IN ASIA-PACIFIC MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 151 MOBILE WiMAX & LTE CHIPSETS IN ASIA-PACIFIC MARKET

REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 152 ZigBee CHIPSETS IN ASIA-PACIFIC MARKET REVENUE (\$MILLION)
AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 153 WIRELESS CHIPSETS IN APAC MARKET REVENUE (\$MILLION)
SEGMENTATION BY COUNTRY, 2011 - 2017

FIGURE 154 WIRELESS CHIPSETS IN CHINA MARKET REVENUE (\$MILLION) AND
VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 155 WIRELESS CHIPSETS IN JAPAN MARKET REVENUE (\$MILLION) AND
VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 156 WIRELESS CHIPSETS IN SOUTH KOREA MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 157 WIRELESS CHIPSETS IN INDIA MARKET REVENUE (\$MILLION) AND
VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 158 WIRELESS CHIPSETS IN REST OF THE WORLD MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 159 Wi-Fi/WLAN CHIPSETS IN REST OF THE WORLD MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 160 WIRELESS DISPLAY/VIDEO CHIPSETS IN REST OF THE WORLD
MARKET REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 161 MOBILE WiMAX & LTE CHIPSETS IN REST OF THE WORLD MARKET
REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 162 ZigBee CHIPSETS IN REST OF THE WORLD MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 163 WIRELESS CHIPSETS IN ROW MARKET REVENUE (\$MILLION)
SEGMENTATION BY COUNTRY, 2011 - 2017

FIGURE 164 WIRELESS CHIPSETS IN LATIN-SOUTH AMERICA MARKET
REVENUE (\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 165 WIRELESS CHIPSETS IN MIDDLE EAST MARKET REVENUE
(\$MILLION) AND VOLUME (MILLION UNITS), 2011 - 2017

FIGURE 166 MARKET'S COMPETITIVE LANDSCAPE – TREE STRUCTURE

FIGURE 167 GLOBAL Wi-Fi/WLAN CHIPSET KEY PLAYER MARKET SHARES, 2010
– 2011

FIGURE 168 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSET KEY PLAYER MARKET
SHARES, 2010 - 2011

FIGURE 169 GLOBAL MOBILE WiMAX CHIPSET KEY PLAYER MARKET SHARES,
2010 – 2011

FIGURE 170 GLOBAL MOBILE LTE CHIPSET KEY PLAYER MARKET SHARES,

2010-2011

FIGURE 171 GLOBAL ZigBee CHIPSET KEY PLAYER MARKET SHARES, 2010 – 2011

FIGURE 172 AMIMON LTD: PRODUCT SEGMENTS

FIGURE 173 ATMEL CORPORATION: PRODUCT SEGMENTS

FIGURE 174 GCT SEMICONDUCTOR, INC: PRODUCT SEGMENTS

FIGURE 175 SEQUANS COMMUNICATIONS SA: WIRELESS CHIPSET CATEGORIES

FIGURE 176 SILICON IMAGE, INC. PRODUCT SEGMENTS

FIGURE 177 SILICON LABORATORIES, INC: PRODUCT DIVISIONS

FIGURE 178 ENTROPIC COMMUNICATIONS: PRODUCT SEGMENTS

FIGURE 179 MAVEN SYSTEMS PVT. LTD: PRODUCT SEGMENTS

FIGURE 180 MAVEN SYSTEMS PVT. LTD: SERVICES

FIGURE 181 NOVATEL WIRELESS: PRODUCT SEGMENTS

FIGURE 182 ALTERNATIVES TO ZigBee

FIGURE 183 COMPARISON AMONG ZigBee, BLUETOOTH, Wi-Fi & GPRS/ GSM TECHNOLOGIES

FIGURE 184 WIRELESS TECHNOLOGY LANDSCAPE

FIGURE 185 GLOBAL FREQUENCIES FOR WIRELESS TECHNOLOGIES

FIGURE 186 GLOBAL WIRELESS CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN ALL APPLICATIONS, 2011 – 2017

FIGURE 187 GLOBAL Wi-Fi/WLAN CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN ALL APPLICATIONS, 2011 – 2017

FIGURE 188 GLOBAL WIRELESS DISPLAY/VIDEO CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN ALL APPLICATIONS, 2011 – 2017

FIGURE 189 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN ALL APPLICATIONS, 2011 – 2017

FIGURE 190 GLOBAL MOBILE WIMAX & LTE CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN CONSUMER ELECTRONICS, 2011 – 2017

FIGURE 191 GLOBAL ZigBee CHIPSETS MARKET REVENUE (\$BILLION) AND VOLUME (BILLION UNITS) IN ALL APPLICATIONS, 2011 – 2017

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