REPORT HIGHLIGHTS

* The U.S. market for home automation systems and devices was worth approximately $3.2 billion in 2010. It is expected to grow to almost $3.4 billion in 2011. In the longer term (i.e., 2011 to 2016), the forecast is for strong renewed growth in the home automation market, which is expected to exceed $5.5 billion in 2016, a CAGR of 10.5% between 2011 and 2016.

* Lighting, home entertainment, and security systems accounted for nearly 58% of the U.S. home automation market in 2010. It is estimated to be around $2.1 billion in the year and further to reach $3.8 billion by 2016 at a CAGR of 12.2%.

* Heating, ventilation, and air conditioning (HVAC) and energy management made up for the remaining 42% of the U.S. market. It is expected to reach $1.7 billion by 2016 at a CAGR of 7.4% between 2011 and 2016.

INTRODUCTION

STUDY BACKGROUND

Home automation technology has been around for many years, but it has only recently begun to enter the mainstream. The reasons for home automation's growing popularity include developments on the demand side as well as the supply side.

On the demand side, rising incomes and standards of living have combined with increased concerns regarding energy and security to increase the attractiveness of technologies that promise to enhance the owner's quality of life, while also making the most efficient use of energy (especially electricity) and providing a sense of security. The drop in construction of new homes as a result of the financial crisis that started in 2008 has dampened the demand for home automation systems, but in the longer term, many would-be homebuyers are younger, technologically savvy people with an affinity for the latest electronic devices, thus creating a favorable market environment for home automation systems.

On the supply side, the declining cost and complexity of new home automation products is helping
to attract new buyers. Until a few years ago, the cost of quality home automation components was prohibitive for all but the enthusiast market, but now prices are dropping.

In fact, the cost of installation labor and the expense of educating electricians in this field are becoming the most inhibiting factors. Fortunately, other developments are helping to reduce the difficulty and cost of installation. These developments include the growing use of standards-based wireless technologies that allow home automation devices to integrate seamlessly and minimize the need for special wiring to connect them.

**GOALS AND OBJECTIVES**

This report is an updated version of a BCC report that was originally published in 2009. The report’s overall goal is to provide readers with an updated understanding of the business opportunities for providers of home automation technologies over the next 5 years, taking into account recent economic and technical developments. In support of this goal, specific objectives of the report include:

* Identifying the home automation technologies with the greatest commercial potential over the next 5 years (2011 to 2016)
* Estimating the market for these technologies in 2010
* Analyzing the technical, economic, and other demand drivers for these products, as well as other prerequisites of success in these markets
* Projecting the potential U.S. markets for these technologies through 2016

**INTENDED AUDIENCE**

The report is intended for providers of home automation technologies and products based on these technologies. Although it is structured around specific technologies, it is largely non-technical in nature, meaning it is concerned less with theory and jargon than with technologies that work, the amount the market is likely to purchase, and the prices consumers are willing to pay.
As such, the report's main audience is executive management, marketing, and financial analysts. It is not written specifically for scientists and technologists, although its findings concern the markets for their work, including the availability of government and corporate research funding for different technologies. Applications should interest them as well.

Government agencies, as well as environmental and public policy interest groups, should also find the report interesting, particularly the sections that include analyses of home automation technologies that conserve energy.

**SCOPE AND FORMAT**

The study covers the major segments of the home automation market, including:

- Lighting controls
- Heating, ventilation, and air conditioning (HVAC) controls
- Energy management controls
- Entertainment controls
- Security controls
- Integrated (i.e., multi-function) controls

The study addresses the major enabling technologies for the various types of home automation products, such as:

- Controllers
- User interface devices
- Sensors
- Actuators and output devices (e.g., dimmers, automated window coverings, dampers)
- Wiring and networking devices

The study format includes the following major elements:
The report's main focus is placed on the U.S. market.

METHODOLOGY

This report is based on the results of targeted interviews with producers and users of home automation technologies and products. It is complemented by a thorough literature review as well as BCC's internal databases. The base year for analysis and projection is 2010.

With 2010 as a baseline, market projections were developed through 2016. These projections are based on a combination of a consensus among the primary contacts combined with BCC's understanding of the key market drivers and their impact from a historical and analytical perspective.

The methodologies and assumptions used to develop the market estimates and projections are described in detail in the chapters on home automation markets. This allows readers to see how the market estimates were developed, and if they so desire, to test the impact on the final numbers of changing assumptions (e.g., price).
CHAPTER ONE: INTRODUCTION 1
STUDY BACKGROUND 1
GOALS AND OBJECTIVES 1
INTENDED AUDIENCE 2
SCOPE AND FORMAT 2
METHODOLOGY 3
AUTHOR'S CREDENTIALS 3
RELATED BCC RESEARCH 4
BCC ONLINE SERVICES 4
DISCLAIMER 5
CHAPTER TWO: EXECUTIVE SUMMARY 6
SUMMARY TABLE US HOME AUTOMATION MARKET, THROUGH 2016 ($ MILLIONS) 6
SUMMARY FIGURE US HOME AUTOMATION MARKET, 2010'2016 ($ MILLIONS) 6
EXECUTIVE SUMMARY (CONTINUED) 7
CHAPTER THREE: OVERVIEW OF HOME AUTOMATION 8
DEFINITION 8
HOME AUTOMATION FUNCTIONS 8
LIGHTING AUTOMATION 8
HEATING, VENTILATION, AND AIR CONDITIONING AUTOMATION 9
AUTOMATED ENERGY MANAGEMENT 9
ENTERTAINMENT AUTOMATION 10
HOME SECURITY SYSTEMS 10
INTEGRATED (MULTI-FUNCTION) HOME AUTOMATION SYSTEMS 10
ENABLING TECHNOLOGIES FOR HOME AUTOMATION 11
MAIN CONTROL UNITS 11
Hardware-Based Controllers 11
Software-Based Controllers 12
AUTOMATED LIGHTING SYSTEM OBJECTIVES 33
DEVICES AND TECHNOLOGIES 34
CENTRAL CONTROL UNIT 34
USER INTERFACES 34
SENSORS 34
Photo Sensors 35
Occupancy Sensors 35
ACTUATORS AND OUTPUT DEVICES 36
Switches 36
On/Off Switches 36
Dimmer Switches 36
Automated Window Coverings 36
Smart Windows 37
Light Harvesting 38
WIRING AND NETWORKING 38
PROVIDERS 39
TABLE 3 AUTOMATED LIGHTING CONTROL PRODUCT AND SERVICE PROVIDERS 39
MARKET 39
SUMMARY 39
FIGURE 9 US LIGHTING AUTOMATION MARKET BY TECHNOLOGY, 2010’2016 (%) 40
TABLE 4 US LIGHTING AUTOMATION MARKET, THROUGH 2016 ($ MILLIONS) 41
FIGURE 10 US LIGHTING AUTOMATION MARKET BY COMPONENT TYPE, 2010’2016 (%) 42
AUTOMATED ILLUMINATION 42
TABLE 5 MARKET FOR AUTOMATED ILLUMINATION SYSTEMS, THROUGH 2016 ($ MILLIONS) 43
New Construction 43
FIGURE 11 AUTOMATED LIGHTING NEW CONSTRUCTION
MARKET BY TECHNOLOGY TYPE, 2010 (%) 44
TABLE 6 MARKET FOR AUTOMATED ILLUMINATION DEVICES USED IN NEW RESIDENTIAL CONSTRUCTION PROJECTS, THROUGH 2016 ($ MILLIONS) 45
Retrofit Systems 45
FIGURE 12 AUTOMATED LIGHTING RETROFIT MARKET BY TECHNOLOGY TYPE, 2010 (%) 46
TABLE 7 MARKET FOR AUTOMATED ILLUMINATION DEVICES USED IN RESIDENTIAL RETROFIT PROJECTS, THROUGH 2016 ($ MILLIONS) 47
AUTOMATED WINDOW COVERINGS 47
FIGURE 13 AUTOMATED WINDOW COVERING COST BREAKDOWN, 2010 (% OF TOTAL COST) 48
TABLE 8 MARKET FOR AUTOMATED WINDOW COVERINGS AND CONTROLLERS, THROUGH 2016 ($ MILLIONS) 48
SMART GLASS 49
TABLE 9 MARKET FOR SMART GLASS WINDOWS AND AUTOMATION INTERFACES, THROUGH 2016 ($ MILLIONS) 49
CHAPTER SIX: HVAC CONTROL SYSTEMS: TECHNOLOGIES, PRODUCTS, AND MARKETS 50
SUMMARY 50
FIGURE 14 US MARKET FOR HOME HVAC AUTOMATION SYSTEMS AND DEVICES, 2010’2016 ($ MILLIONS) 51
OBJECTIVES 51
DEVICES AND TECHNOLOGIES 52
CONTROLS 52
Programmable Thermostats 52
Multi-Zone Controllers 52
USER INTERFACES 53
Wall-Mounted Display Units 53
SENSORS 54
ACTUATORS AND OUTPUT DEVICES  54
Automated Dampers  54
WIRING AND NETWORKING  54
PROVIDERS  54
TABLE 10 PROVIDERS OF HOME HVAC AUTOMATION SYSTEMS AND DEVICES  55
MARKETS  55
SUMMARY  55
TABLE 11 US MARKET FOR AUTOMATED HVAC SYSTEMS AND DEVICES, THROUGH 2016 ($ MILLIONS)  55
FIGURE 15 US HVAC AUTOMATION MARKET BY COMPONENT TYPE, 2010’2016 (%)  56
TABLE 12 US MARKET FOR HVAC AUTOMATION CONTROLLERS, THROUGH 2016 ($ MILLIONS)  57
Thermostats  57
FIGURE 16 US MARKET PENETRATION TRENDS IN PROGRAMMABLE THERMOSTATS 2000 AND 2010 (MILLION/%)  58
TABLE 13 US MARKET FOR PROGRAMMABLE THERMOSTATS, THROUGH 2016 (UNITS/$ MILLIONS)  59
Multi-Zone Controllers  59
TABLE 14 US MARKET FOR MULTI-ZONE CONTROLLERS, THROUGH 2016 (THOUSAND UNITS/$ MILLIONS)*  60
USER INTERFACE  60
TABLE 15 US MARKET FOR THERMOSTAT WALL DISPLAY UNITS, THROUGH 2016 (UNITS/$ MILLIONS)  61
SENSORS  61
Outside Temperature Sensors  61
TABLE 16 US MARKET FOR RESIDENTIAL HVAC SENSORS, THROUGH 2016 (UNITS/$ MILLIONS)  62
ACTUATORS AND OUTPUT DEVICES  62
Automated Zone Dampers and Registers 62
TABLE 17 US MARKET FOR AUTOMATED ZONE DAMPERS AND
REGISTERS, THROUGH 2016 (THOUSAND UNITS/$ MILLIONS) 63
WIRING AND NETWORKING 63
TABLE 18 US MARKET FOR HOME HVAC AUTOMATION
COMMUNICATIONS AND NETWORKING, THROUGH 2016 ($
MILLIONS) 63
CHAPTER SEVEN: AUTOMATED ENERGY MANAGEMENT SYSTEMS:
TECHNOLOGIES, PRODUCTS, AND MARKETS 64
SUMMARY 64
FIGURE 17 US MARKET FOR AUTOMATED HOME ENERGY
MANAGEMENT SYSTEMS AND DEVICES, 2010’2016 ($
MILLIONS) 64
OBJECTIVES 65
DEVICES AND TECHNOLOGIES 65
FIGURE 18 ENERGY MANAGEMENT HOME AREA NETWORK 65
CONTROLERS 66
Information Gateway 66
Smart Meters 66
Smart Meters (Continued) 67
Smart Meters (Continued) 68
Programmable (Intelligent) Communicating Thermostats 69
USER INTERFACES 70
In-Home Displays 70
Web-Based Interfaces 71
SENSORS 72
ACTUATORS AND OUTPUT DEVICES 72
Remote Actuators 72
Integrated Actuators 72
Plug-In Actuators 73
Non-HAN-Connected Actuators 73
WiRING AND NETWORKING  74
PROVIDERS  74
TABLE 19 PROVIDERS OF AUTOMATED HOME ENERGY MANAGEMENT SYSTEMS, DEVICES AND RELATED TECHNOLOGIES  74
TABLE 19 (CONTINUED)  75
MARKETS  75
TABLE 20 US HOME ENERGY MANAGEMENT AUTOMATION MARKET, THROUGH 2016 ($ MILLIONS)  75
FIGURE 19 US HOME ENERGY AUTOMATION MARKET BY COMPONENT TYPE, 2010'2016 (%)  76
CONTROLLERS  77
TABLE 21 US MARKET FOR AUTOMATED ENERGY MANAGEMENT CONTROLLERS, THROUGH 2016 ($ MILLIONS)  77
Smart Meters  77
TABLE 22 US MARKET FOR SMART METERS, THROUGH 2016 ($ MILLIONS)  78
Programmable Communicating Thermostats  78
TABLE 23 MARKET FOR PROGRAMMABLE COMMUNICATING THERMOSTATS METERS, THROUGH 2016 ($ MILLIONS)  79
USER INTERFACES  79
TABLE 24 US MARKET FOR HOME ENERGY MANAGEMENT INTERFACES, THROUGH 2016  79
In-Home Displays  79
TABLE 25 MARKET FOR IN-HOME ENERGY DISPLAYS, THROUGH 2016 ($ MILLIONS)  80
Web-Based Interfaces  80
TABLE 26 MARKET FOR WEB-BASED ENERGY CONSUMPTION MONITORING DEVICES, THROUGH 2016 ($ MILLIONS)  81
SENSORS  81
TABLE 27 MARKET FOR ENERGY CONSUMPTION MONITORING
SENSORS, THROUGH 2016 ($ MILLIONS)  82
ACTUATORS AND OUTPUT DEVICES  82
TABLE 28 US MARKET FOR REMOTE APPLIANCE ACTUATORS, THROUGH 2016 ($ MILLIONS)  83
Integrated Actuators  83
TABLE 29 MARKET FOR HOME ENERGY MANAGEMENT INTEGRATED ACTUATORS, THROUGH 2016 ($ MILLIONS)  84
Plug-In Actuators  84
TABLE 30 MARKET FOR HOME ENERGY MANAGEMENT PLUG-IN ACTUATORS, THROUGH 2016 ($ MILLIONS)  85
Non-HAN-Connected Actuators  85
TABLE 31 MARKET FOR GRID-FRIENDLY APPLIANCE ACTUATORS, THROUGH 2016 (MILLION $)  85
NETWORKING AND COMMUNICATIONS  86
TABLE 32 US MARKET FOR HOME ENERGY AUTOMATION WIRING AND NETWORKING, THROUGH 2016 ($ MILLIONS)  86
CHAPTER EIGHT: HOME ENTERTAINMENT AUTOMATION SYSTEMS: TECHNOLOGIES, PRODUCTS, AND MARKETS  87
SUMMARY  87
FIGURE 20 US MARKET FOR HOME ENTERTAINMENT AUTOMATION SYSTEMS AND DEVICES, 2010’2016 ($ MILLIONS)  87
FIGURE 20 (CONTINUED)  88
OBJECTIVES  88
DEVICES AND TECHNOLOGIES  89
CONTROLLERS  89
Digital Media Servers  89
Amplifiers and Switches, Distribution Modules, and Power Sources  90
USER INTERFACES  91
Handheld and Tabletop Remote Controls  91
Wall-Mounted Panels  92
ACTUATORS AND OUTPUT DEVICES  92
WIRING AND NETWORKING  92
PROVIDERS  93
TABLE 33 PROVIDERS OF AUTOMATED HOME ENERGY
MANAGEMENT SYSTEMS, DEVICES, AND RELATED
TECHNOLOGIES  93
MARKETS  93
TABLE 34 US MARKET FOR HOME ENTERTAINMENT
AUTOMATION SYSTEMS AND DEVICES, THROUGH 2016 ($
MILLIONS)  94
FIGURE 21 US HOME ENTERTAINMENT AUTOMATION PRODUCT
MARKET SHARES, 2010’2016 (%)  95
CONTROLLERS  95
TABLE 35 MARKET FOR HOME ENTERTAINMENT AUTOMATION
CONTROLLERS, THROUGH 2016 ($ MILLIONS)  96
Digital Media Servers and Entertainment Hubs  96
TABLE 36 MARKET FOR DIGITAL MEDIA SERVERS AND HOME
ENTERTAINMENT HUBS, THROUGH 2016 ($ MILLIONS)  96
Switches, Distribution Modules, and Power Supplies  97
FIGURE 22 HOME ENTERTAINMENT AUTOMATION SYSTEM COST
BREAKDOWN, 2010 (% OF TOTAL EQUIPMENT COSTS)  97
TABLE 37 MARKET FOR HOME ENTERTAINMENT SYSTEM
SWITCHES, DISTRIBUTION MODULES, POWER SUPPLIES, AND
OTHER COMPONENTS, THROUGH 2016 ($ MILLIONS)  98
USER INTERFACES  98
TABLE 38 US MARKET FOR HOME ENTERTAINMENT
AUTOMATION USER INTERFACE DEVICES, THROUGH 2016 ($
MILLIONS)  99
Handheld and Tabletop Remote Controls  99
TABLE 39 MARKET FOR ADVANCED HOME ENTERTAINMENT
HANDHELD AND TABLETOP REMOTE CONTROLS, THROUGH
2016 ($ MILLIONS) 99
Wall-Mounted Control Panels 99
TABLE 40 MARKET FOR HOME ENTERTAINMENT WALLMOUNTED
CONTROL PANELS, THROUGH 2016 ($ MILLIONS) 100
ACTUATORS AND OUTPUT DEVICES 100
Automated Home Theater Lighting and Window
Coverings 100
TABLE 41 MARKET FOR AUTOMATED HOME THEATER LIGHTING
AND WINDOW COVERINGS, THROUGH 2016 ($ MILLIONS) 100
WIRING AND NETWORKING 101
TABLE 42 MARKET FOR WIRING SUPPLIES USED IN HOME
ENTERTAINMENT AUTOMATION SYSTEMS, THROUGH 2016 ($
MILLIONS) 101
CHAPTER NINE: HOME SECURITY SYSTEMS: TECHNOLOGIES,
PRODUCTS, AND MARKETS 102
SUMMARY 102
FIGURE 23 US MARKET FOR RESIDENTIAL SECURITY SYSTEMS
AND DEVICES, 2010’2016 ($ MILLIONS) 102
OBJECTIVES 103
DEVICES AND TECHNOLOGIES 103
CONTROLS 103
USER INTERFACE 103
SENSORS 104
Door and Window Sensors 104
Motion Sensors 104
Glass-Break Sensors 105
Smoke Detectors 105
Carbon Monoxide Detectors 106
OUTPUT DEVICES 107
WIRING AND NETWORKING 107
PROVIDERS 108
TABLE 43 HOME SECURITY SYSTEM PROVIDERS  108
MARKETS  108
SUMMARY  108
TABLE 44 US MARKET FOR RESIDENTIAL SECURITY SYSTEMS, THROUGH 2016 ($ MILLIONS)  109
FIGURE 24 US AUTOMATED HOME SECURITY MARKET BY COMPONENT TYPE, 2010 (%)  109
FIGURE 24 (CONTINUED)  110
CONTROLLERS  110
Central Control Panels  110
TABLE 45 US MARKET FOR RESIDENTIAL SECURITY SYSTEM KEYPADS, THROUGH 2016 (UNITS/$ MILLIONS)  110
USER INTERFACES  110
Keypads  110
TABLE 46 US MARKET FOR RESIDENTIAL SECURITY SYSTEM KEYPADS, THROUGH 2016 (UNITS/$ MILLIONS)  111
SENSORS  111
TABLE 47 US MARKET FOR RESIDENTIAL SECURITY SENSORS, THROUGH 2016 (UNITS/$ MILLIONS)  111
TABLE 47 (CONTINUED)  112
OUTPUT DEVICES  112
Alarm Siren  112
TABLE 48 US MARKET FOR RESIDENTIAL SECURITY SYSTEM OUTPUT DEVICES, THROUGH 2016 (UNITS/$ MILLIONS)  112
WIRING AND NETWORKING  112
TABLE 49 US MARKET FOR RESIDENTIAL SECURITY SYSTEM WIRING AND NETWORKING DEVICES AND SUPPLIES, THROUGH 2016 (UNITS/$ MILLIONS)  113
CHAPTER TEN: INTEGRATED HOME AUTOMATION SYSTEMS: TECHNOLOGIES, PRODUCTS, AND MARKETS  114
SUMMARY  114
FIGURE 25 SALES OF INTEGRATED HOME AUTOMATION SYSTEMS, 2010-2016 ($ MILLIONS/% OF TOTAL HOME AUTOMATION MARKET) 115
OBJECTIVES 115
DEVICES AND TECHNOLOGIES 116
CONTROLLERS 116
Hardware-Based Controllers 116
Software-Based Controllers 116
PROVIDERS 117
TABLE 50 PROVIDERS OF INTEGRATED HOME AUTOMATION CONTROLLERS 117
MARKETS 117
TABLE 51 US INTEGRATED HOME AUTOMATION SYSTEMS MARKET, THROUGH 2016 (UNITS/$ MILLIONS) 117
MARKETS (CONTINUED) 118
CHAPTER ELEVEN: COMPANY PROFILES 119
LIGHTING AUTOMATION 119
CENTRALITE SYSTEMS, INC 119
FUTRONIX CO, LTD 119
LEVITON MANUFACTURING CO, INC 120
LITETOUCH, INC 120
LUTRON ELECTRONICS CO, INC 121
MECHOSHADE SYSTEMS, INC 121
POWERLINE CONTROL SYSTEMS, INC 121
RESEARCH FRONTIERS INC 122
SAGE ELECTROCHROMICS, INC 122
SCHNEIDER ELECTRIC/SQUARE D COMPANY 123
SOLAR SHADE SYSTEMS 123
SOMFY SYSTEMS, INC 123
VANTAGE CONTROLS, INC 124
HOME ENTERTAINMENT AUTOMATION SYSTEMS 136
AMX, LLC 136
CONTROL4 CORP 136
CRESTRON ELECTRONICS, INC 136
ELAN HOME SYSTEMS, LLC 137
EMBEDDED AUTOMATION, INC 137
FREESCALE SEMICONDUCTOR, INC 137
LOGITECH INTERNATIONAL, SA 138
MICROSOFT CORP 138
NUVO TECHNOLOGIES, INC 139
REMOTE TECHNOLOGIES, INC 139
ROYAL PHILIPS ELECTRONICS, NV 140
RUSSOUND 140
SONOS, INC 140
UNIVERSAL REMOTE CONTROL 140
XANTECH, LLC 141
HVAC AUTOMATION SYSTEMS 141
AUTOMATED ENVIRONMENTAL SYSTEMS, LLC 141
EWC CONTROLS, INC 142
HONEYWELL INTERNATIONAL, INC 142
RES AUTOMATICA, LTD 142
RESEARCH PRODUCTS CORP 143
RESIDENTIAL CONTROL SYSTEMS 143
SUNCOURT, INC 143
TRANE, INC 144
WATTMASTER CONTROLS, INC 144
WHITE-ROGERS CO 144
ZONEX SYSTEMS, INC 144
HOME SECURITY SYSTEMS 145
BOSCH SECURITY SYSTEMS, INC 145
DIGITAL SECURITY CONTROLS 145
Related Documents

World Security Equipment Market
Global demand to climb 7.2% annually through 2014 World demand for security equipment is projected to climb 7.2 percent annually through 2014 to more than $95 billion. In general, the strongest market gains will be posted in developing parts of Asia, Eastern Europe, Africa and the Middle East, and Central and South America where security markets are relatively underdeveloped. In these regions, product ...

World Network Intrusion Prevention Systems (IPS) Products Market
With vendors developing and moving their technologies towards a more proactive security device, unreliable and clunky intrusion detection/prevention systems are technologies of the past. As IPS technology has matured, it has become an integral part of an organization’s core network security infrastructure. The emergence and increased adoption of unified threat management systems and next generation ...

Strategic Analysis of the Global RFID Middleware Market
The study analyses the current and future trends in the World RFID Middleware market. Several companies that participate in the middleware market have found great success in this market because of their competencies in their
core markets as well as providing other necessary services to customers. This study will address key trends such as drivers, restraints, challenges, technology trends and competitive ...

Global Endpoint Security Products Market: Protecting the Last Line of Defense, the Endpoint from Emerging Threats
This study covers the state of the world endpoint security market examining drivers and restraints for growth, pricing, distribution, technology, legislation, demand and geographical trends. Following from these, market growth for regional and market segments are forecasted. In addition, an in-depth analysis of the competitive situation including vendors' market shares is performed, along with detailed ...

Security Technologies for Transportation Markets
REPORT HIGHLIGHTS  * The global security technologies (for transportation) market reached $2.3 billion in 2010 and is expected to reach at $5.9 billion by 2015 at a compound annual growth rate (CAGR) of 20.4%.  * The highest revenue contributor is video surveillance technology, which stood at $1.9 billion in 2010 and is expected to reach about $1.9 billion by 2015 at a compound annual growth rate ...

Global Home Automation and Control Systems Market By Products and Technologies
Report DescriptionThe global WiMAX Equipment market is expected to grow from $1.92 billion in 2011 to $9.21 billion in 2016. This represents a CAGR of 36.83% from 2011 to 2016. Saturation in the existing 3G networks, quest for higher data rates, and the need for spectral efficiency are the prominent factors triggering the demand for global WiMAX deployments. The inexhaustible need for bandwidth is one ...

Global Mobile Security Industry
This report analyzes the worldwide markets for Mobile Security in US$ Million by the following Product Segments: Mobile Security Client Software, and Mobile Network Security Appliances and Software (Integrated Security Appliance, Content Security Gateways, and Intrusion Detection System/ Intrusion Prevention System (IDPS)). The report provides separate comprehensive analytics for the US, Canada, Japan, ...

Mobile Phone Biometric Security; Analysis and Forecasts 2011 - 2015
Mobile phone biometric security is a strategic analysis of the market for mobile phone biometric security products and services. This 200+ page report includes an investigation on current mobile phone biometric technologies. A detailed
market analysis is supported with unique interviews with key stakeholders in the mobile phone biometric security ecosystem. Forecasts for growth opportunities, global ...

Can Thieves Control My Car' Hacking on Vehicle Security Systems
Vehicle technology and in-vehicle electronics have been fast moving developments over recent years, with modern vehicles becoming more dependent on Electronic Control Units (ECUs) to govern the majority of on-board vehicle functions. Couple this with an increased level of communication with infrastructure outside of the vehicle (off-board), and it is possible that these vehicles have now been left ...

Can Thieves Control My Car' Hacking on Vehicle Security Systems
Is hacking vehicle electronic systems a potential method of stealing a car? This study explores the potential for thieves to use computer hacking techniques to gain access to vehicle systems. SBD examines the future of vehicle architecture and communications to identify the potential threats of hacking a vehicle through various wired and wireless connections. Hacking is major news, and researchers ...