

Home Network Technology & Connectivity Use: Ethernet, 802.11, Coax, and Powerline

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Report Summary

Based upon the results of our North American broadband survey, the majority of consumers with a home network that use Wi-Fi are still not very/not at all familiar with the benefits and differences between 802.11g and 802.11n. Although this may limit upgrades in the short term, the older Wi-Fi standards will be discontinued eventually anyway. Other wired technologies that use coax, phone wiring, and powerline are also beginning to make strides with telcos deploying telco TV services.

The number of home LAN physical layer interface shipments will surpass 500 million in 2010, and the installed base of home networks will surpass 300 million in 2011.

Global and regional forecasts are provided for home networks, with North America, Europe, and Asia/Pacific broken down by use of Ethernet, Gigabit Ethernet, 802.11a, 802.11b, 802.11g, 802.11n, and other wired solutions. In addition, global home network interfaces by physical layer are included, since the majority of network-enabled devices have both wired and wireless connectivity options.

What's in the Report?

- Worldwide and regional home network forecasts: North America (Canada and US splits), Europe, Asia/Pacific (Japan, China, and balance of AP for 3 splits), and ROW (Rest of World)
- Size and growth of regional home networks by type of wired/wireless LAN technology use
- Consumer survey data about use of wired/wireless LAN technology use
- Size and growth of LAN physical layer interfaces

Companies Mentioned in this Report

- 2Wire
- Alcatel
- Arkados
- AT&T
- Broadcom
- Cisco and Linksys
- CopperGate
- D-Link

HIGHLIGHTS

- No progress in awareness of the benefits/differences between 802.11g and n vs. last year, but 802.11n users increased from 3.8% to 6.4%.
- Home networks will surpass 300 million in 2011.
- Worldwide home LAN PHY interface shipments will surpass 500 million in 2010.
- Asia/Pacific will lead in Wi-Fi home network penetration by 2012.

For more information or to purchase, see the [report online](#) or call 1.480.483.4441.

- DS2
- Entropic
- Gige Semiconductor
- Hitachi
- Infineon
- Ikanos
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- Intellon
- Motorola
- Mototech
- Netgear
- Panasonic
- Pulse Link
- SPiDCOM
- Spirent
- STMicro
- Tellabs
- Texas Instruments
- Verizon
- Westell

Whose Needs Does This Report Address?

- Companies that provide broadband access products
- Companies that provide home networking equipment products
- Broadband service providers
- Equipment and semiconductor manufacturers
- Wi-Fi Alliance at http://www.wi-fi.org/our_members.php
- HomePlug Alliance at <http://www.homeplug.org/about/roster/>
- HomePNA Alliance at <http://www.homepna.org/about/members/>
- Multimedia over Coax Alliance (MoCA) at <http://www.mocalliance.org/aboutus/ourmembers.php>
- Semiconductor vendors in specialized technology areas (Entropic, CopperGate, Intellon, etc. i.e. leads used for the coax/phoneline report and the powerline networking reports)

What Questions Does This Report Answer?

- What are the market sizes by region for home networks?
- What are the levels of use of various types of wired and Wi-Fi technologies in home networks? What are the regional differences?
- What are the current consumer interests and perspectives about these various technologies?
- What is the worldwide size and growth of home LAN PHY (physical interface) shipments by LAN category?

Table of Contents

Executive Summary.....	1	Knowledge and Experience Level of Home Network Users.....	20
Overview.....	3	Ethernet and Type of Ethernet Consumers are Using in North America.....	20
Merged Digital Home Vision.....	3	Wi-Fi and Type of Wi-Fi Consumers are Using in North America.....	21
Use of Home Network for More Than Sharing Internet Access on the Rise With Broadband Users.....	5	HN Equipment Upgrades Under Consideration.....	23
New Types of Devices Get Connected to Home Networks.....	6	Familiarity of Benefits and Differences Between 802.11n and 802.11g.....	24
Type of Network Connection for Internet-Connected Blu-ray DVD Players/Recorders.....	6	Importance of 802.11n Compatibility for Next Purchase With 802.11n Users.....	24
Type of Network Connection for Internet-Connected DTV/HDTVs.....	6	Consumers' Experiences With 802.11g Speed and Bandwidth.....	26
Price Paid for DTV/HDTVs Connected to Home Network.....	7	Importance of Next Purchase 802.11n Compatibility, 802.11g Users.....	26
Home LAN Connectivity Overview.....	8	Plans of 802.11g Users to Upgrade to 802.11n in North America.....	27
Wireless LAN.....	9	Familiarity With Coax, Phone Wire, and Powerline Networking Technologies.....	27
Dominating 802.11 Technologies in the Home.....	9	Types of Alternative Wire Networking Technologies in Use.....	28
802.11n Features.....	9	Interest in Powerline Doubled Year Over Year Among Home Network Users.....	28
Competing Alternative Wire Technologies.....	12	Home Networking Market Forecasts.....	29
Deployment Flexibility and Cost.....	12	Global Installed Home Networks by Region.....	29
MoCA Over Coax.....	13	Global Installed Home Networks by Technology.....	31
HomePNA Over Coax and Phone Wiring.....	14	Home Network Interfaces by Physical Layer.....	36
Powerline Protocols Over Electrical Lines and Coax.....	16	Methodology.....	38
IEEE P1901 Draft Standard.....	17	List of Tables.....	39
International Telecommunication Union.....	17	List of Figures.....	40
ITU-T G.hn.....	18	Related In-Stat Reports.....	41
HomeGrid Forum.....	19		
North American Consumer Insights on Use of Wireless and Wired LAN Technologies.....	20		

List of Tables

Table 1.	Use of Home Network for Only Sharing Internet Access vs. Other Purposes With Other Devices Connected: Home Network Users in North America	5
Table 2.	Type of Connection to Networked Blu-ray DVD Players/Recorders in North America.....	6
Table 3.	Type of Connection to Networked DTV/HDTV in North America	7
Table 4.	Price Paid for DTV/HDTVs Connected to HN in North America	7
Table 5.	Knowledge and Experience Level of HN Technology and How Devices Attach/Connect to NA Home Networks.....	20
Table 6.	Ethernet Use in NA Home Networks.....	21
Table 7.	Type of Ethernet Used in NA Home Networks	21
Table 8.	Wi-Fi Use in NA Home Networks.....	21
Table 9.	Type of Wi-Fi Used in NA Home Networks.....	22
Table 10.	Considering a Home Network Equipment Upgrade in North America.....	23
Table 11.	Type of Wi-Fi and Ethernet Technologies Under Consideration by Consumers for Upgrades in North America	23
Table 12.	Familiarity of Benefits and Differences Between 802.11n and 802.11g for Wi-Fi Users in North America	24
Table 13.	Importance of Next Purchase Having 802.11n Compatibility for Current 802.11n Users in North America	25
Table 14.	Number of 802.11-Compatible Devices in Household for Current 802.11n Users in North America..	25
Table 15.	How Often Consumers Experience Negative Speed or Bandwidth With 802.11g Devices in North America	26
Table 16.	Importance of Next Purchase Having 802.11n Compatibility for 802.11g Users in North America.....	26
Table 17.	Plans of 802.11g Users to Upgrade to 802.11n in North America.....	27
Table 18.	Familiarity of Alternative Wire Home Networking Technologies in North America	27
Table 19.	Type of Alternative Networking Technologies in Use by Current Home Network Users in North America	28
Table 20.	Types of Alternative Wire Adapters Under Consideration for Upgrading in North America	28

Table 21. Worldwide Installed Base of Home Networks by Region, 2007–2013 (Units in Thousands)..... 30

Table 22. Worldwide PC-Based Home Networks by Technology: Ethernet 10/100, Gigabit Ethernet, Wi-Fi, and Other Wired, 2007–2013 (Units in Thousands) 33

Table 23. North American PC-Based Home Networks by Technology: Ethernet 10/100, Gigabit Ethernet, Wi-Fi by Standard, and Other Wired, 2007–2013 (Units in Thousands) 33

Table 24. European PC-Based Home Networks by Technology: Ethernet 10/100, Gigabit Ethernet, Wi-Fi by Standard, and Other Wired, 2007–2013 (Units in Thousands)..... 34

Table 25. Asia/Pacific PC-Based Home Networks by Technology: Ethernet 10/100, Gigabit Ethernet, Wi-Fi by Standard, and Other Wired, 2007–2013 (Units in Thousands)..... 35

Table 26. ROW PC-Based Home Networks by Technology: Ethernet 10/100, Gigabit Ethernet, Wi-Fi, and Other Wired, 2007–2013 (Units in Thousands) 35

Table 27. Worldwide Home LAN PHY Interface Shipments: Ethernet, Wi-Fi, Coax/Phone Wiring, and Broadband Powerline, 2007–2013 (Units in Thousands) 37

List of Figures

Figure 1. Digital Home Vision..... 4

Figure 2. Multi-Play Integrated Connected Home Vision 8

Figure 3. Worldwide Installed Base of Home Networks by Region, 2007–2013 (Units in Thousands)..... 30

Figure 4. Worldwide PC-Based Home Networks by Technology: Ethernet 10/100, Gigabit Ethernet, Wi-Fi, and Other Wired, 2007–2013 (Units in Thousands) 32

Figure 5. Worldwide Home LAN PHY Interface Shipments: Ethernet, Wi-Fi, Coax/Phone Wiring, and Broadband Powerline, 2007–2013 (Units in Thousands) 37

[Return to Table of Contents](#)

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