

Home Networking - The Complete Solution

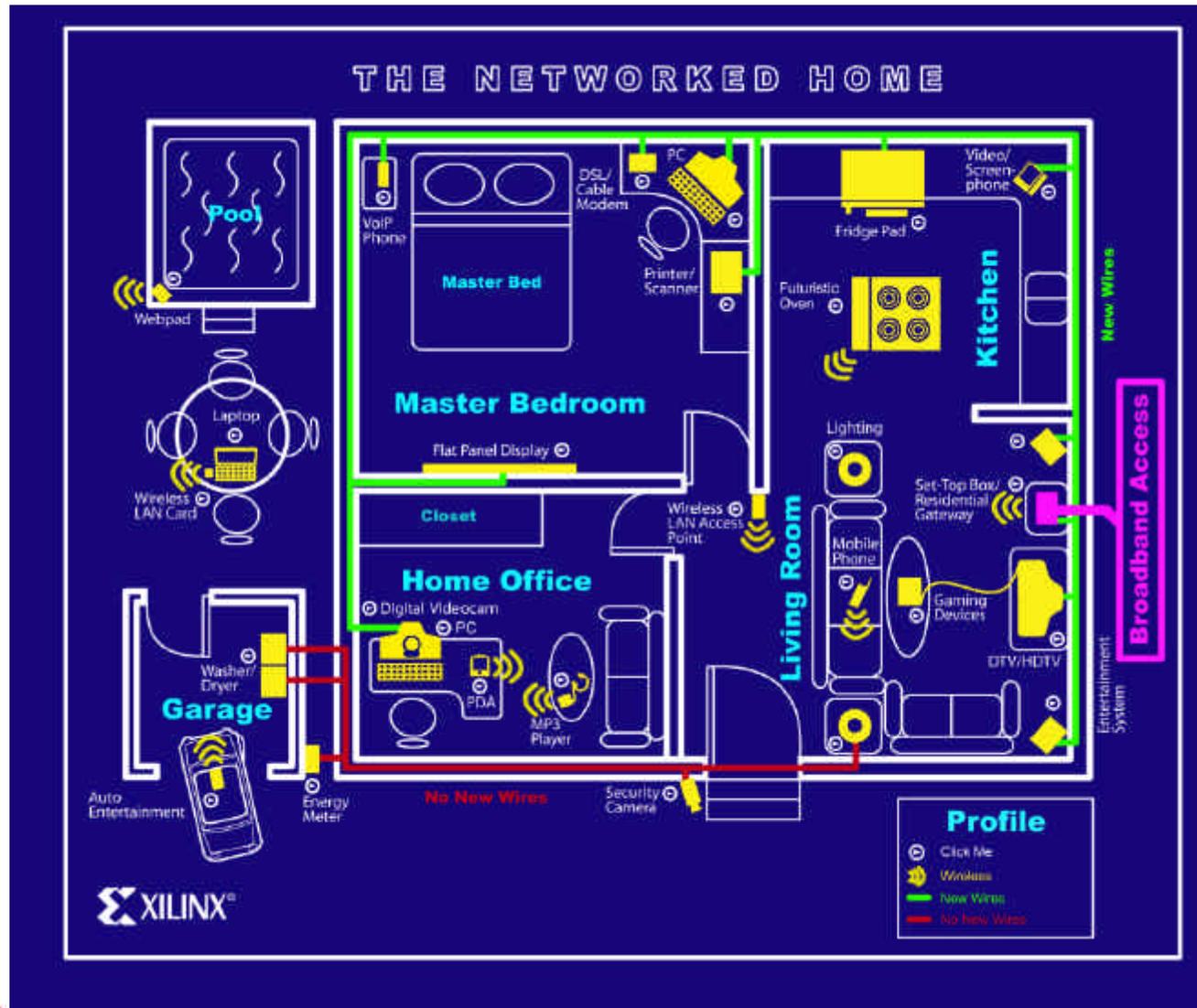
Vision

What is Home Networking?

- ◆ Distribution of audio, video and data between information appliances
 - Provide communication, information, multimedia & automation services anywhere and anytime around the home
 - Bring the Internet to the hands of the consumer
 - Interconnect people in data, voice and video
- ◆ The interconnection and interoperability of
 - Home appliances
 - Entertainment devices
 - PC hardware
 - Telecommunication devices
 - Security, lighting and environmental control systems

**It's All About
Convergence!**

Problem: Islands of Technology



Market Requirements and Solutions Available

	Market Requirements	Solutions Available
Broadband Access	High Speed Access for Data, Voice and Video, Always on, Simultaneous Up-link & Down-link Communication, Support Simultaneous and Multi-User Access	xDSL, Cable, Powerline, Satellite, Mobile/Wireless
Residential Gateway	Provides Access into the Home, Remote Management Access Platform, Bridging between Different Networks, Firewall and Security, E-Services Capabilities	Open System Gateway initiative (OSGI), Jini, UPnP, HAVi, DVI
Home Networking Technologies	Low Cost, Speed, Mobility, Quality of Service, Security, Reliability, Ubiquity, Ease of Use	No new wires (Phonelines, Powerlines), New wires (Ethernet, 1394, USB2.0, Optic Fiber), Wireless (HomeRF, Bluetooth, Wireless LAN)
Information Application Networks	Digital electronics with advanced computational capabilities that add more value and convenience when networked	Digital TV, HDTV, set-top box, internet screen phones, digital VCR, gaming consoles, MP3 players, cordless phones, security systems, utility meters, PCs, web pads & terminals, PDAs, digital cameras, auto PCs etc.

Home Networking Technologies

