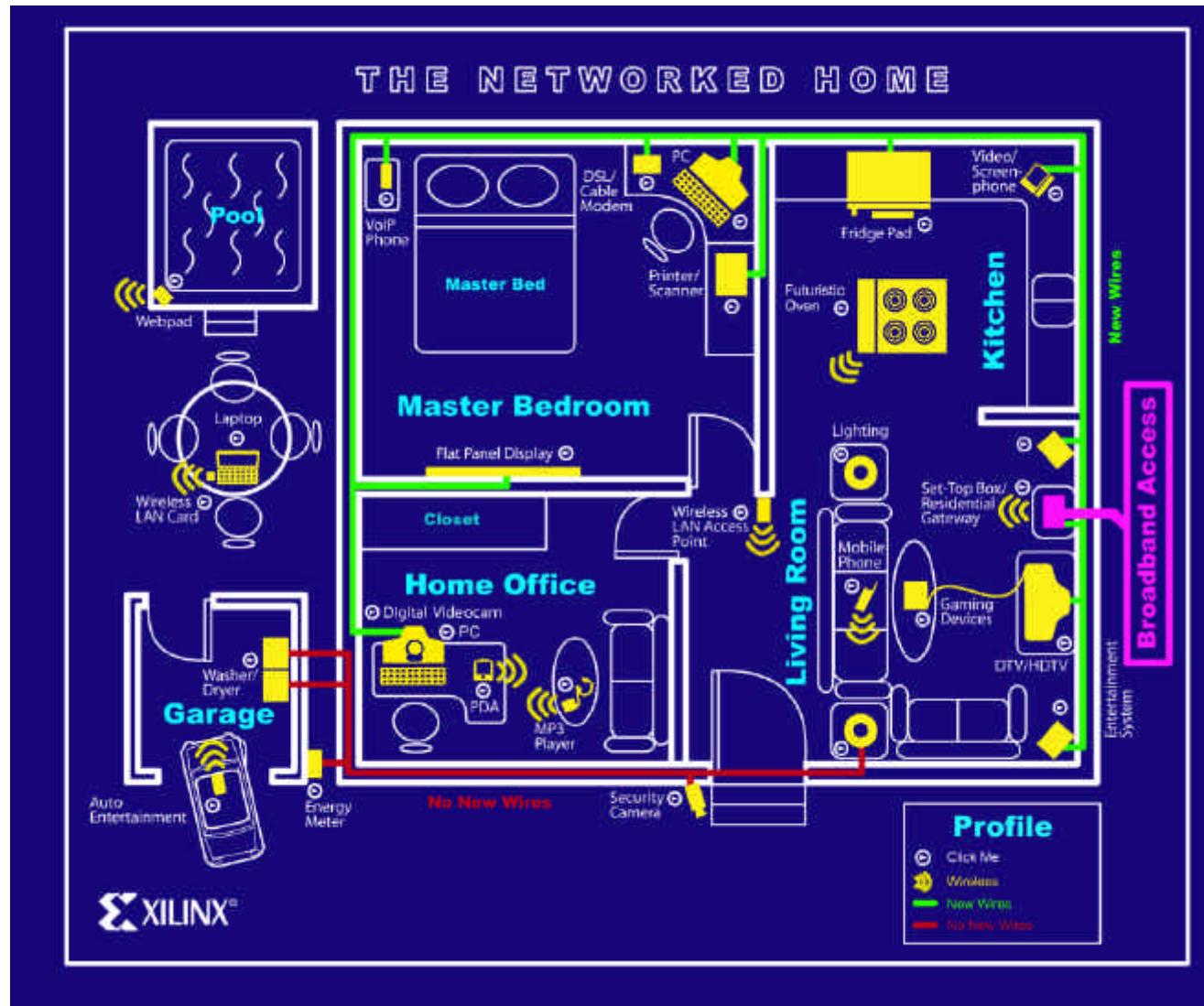




Set-Top Box Evolves As Next Generation Residential Gateways

Home Networking

Problem: Islands of Technology

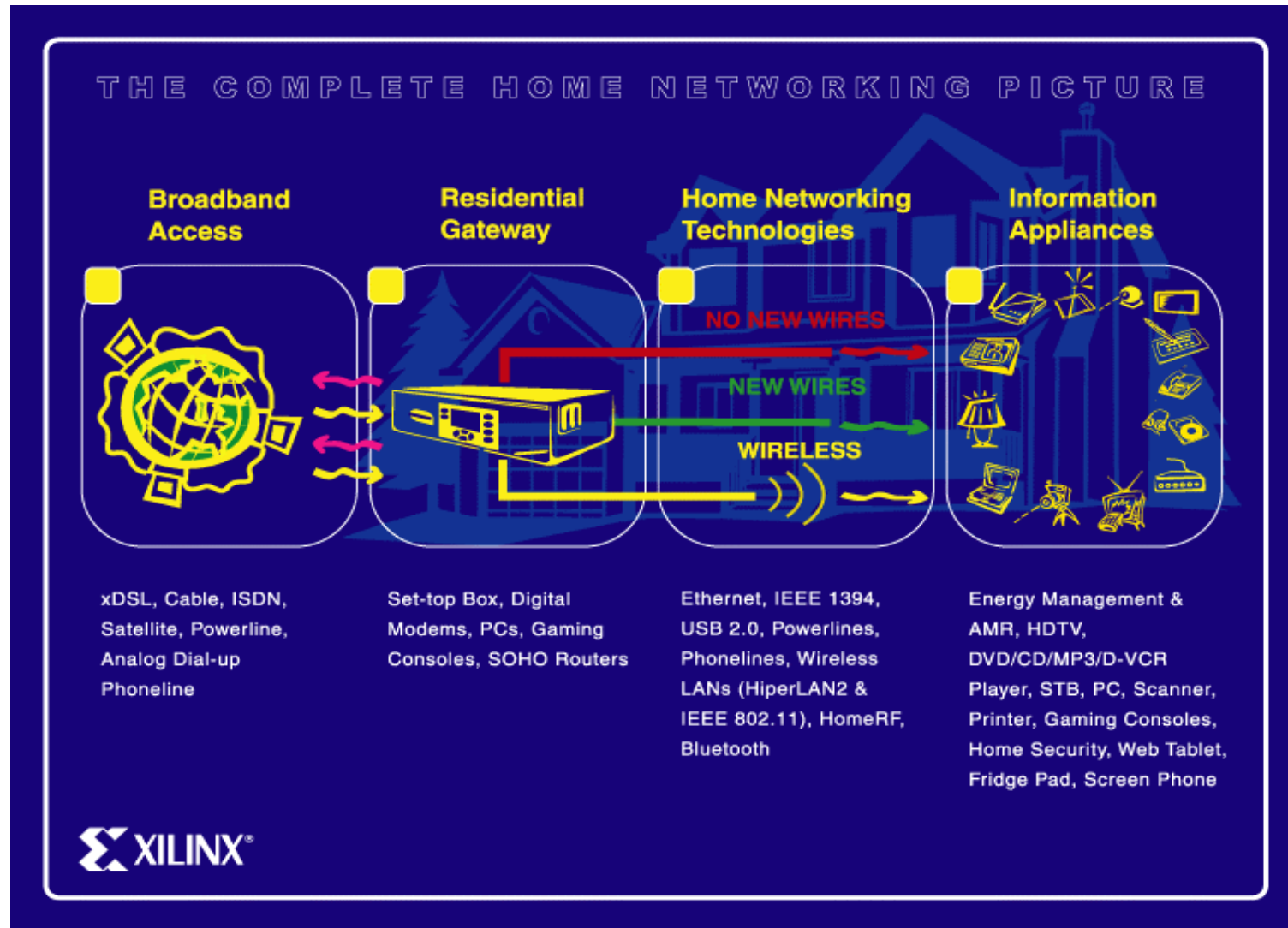


Residential Gateway

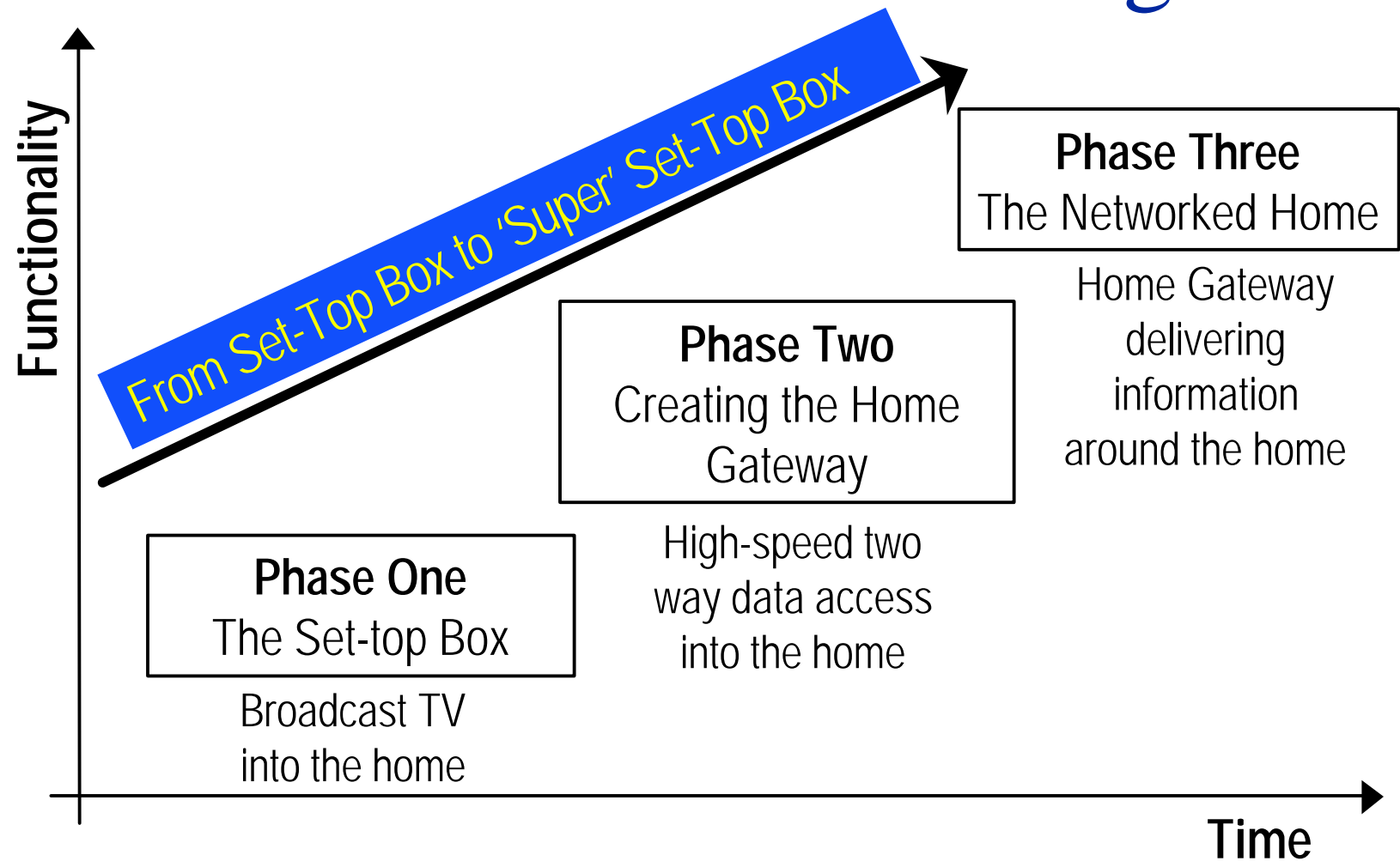
The Key Ingredient For Home Networking

- ◆ RGs provide integration of different broadband access types & different home networking solutions
 - Broadband access: xDSL & cable modems
 - Each modem offers an Ethernet port for connecting one computer
 - Increasing number of households have multiple computers
 - Tech-savvy users may install Ethernet hub and pull Cat5 cabling to each computer
 - Most users will not find this a viable option due to installation obstacles or cost
 - Home networking solutions: HomePNA, HomePlug, HomeRF, Wireless LANs, IEEE 1394

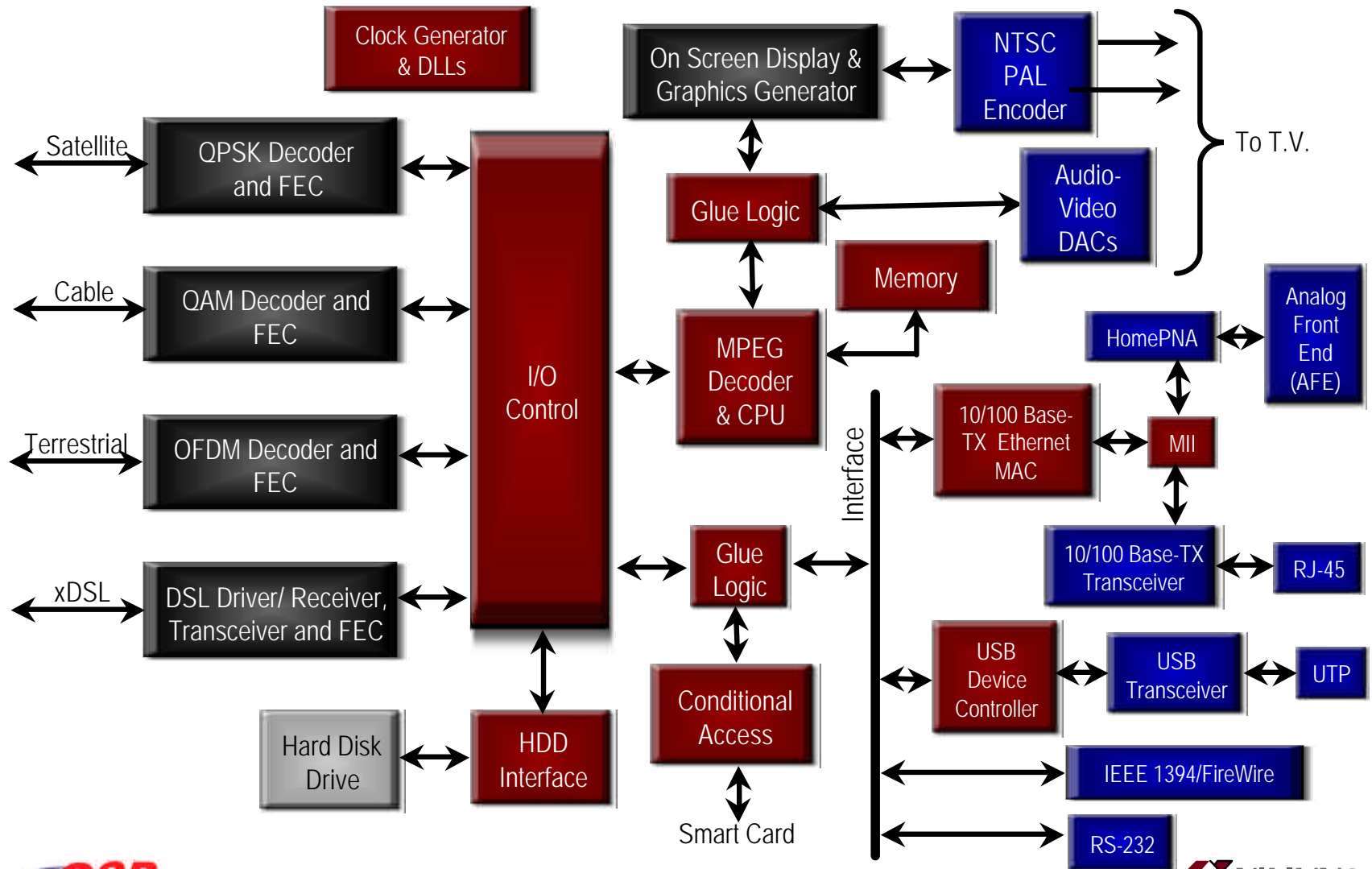
Four Aspects to Home Networking



RG Deployment - The Incremental Change



Super Set-Top Box: Residential Gateway



Cable Modem Residential Gateway

