

China Residential Gateways Explode with Multiservice Offerings

By Loren Zhao, Industry Analyst

Forecast

Frequency, Time Period

- 5-year annual forecast

Measures

- Revenues
- Units

Regions, Markets

- China

Applications/Products Covered

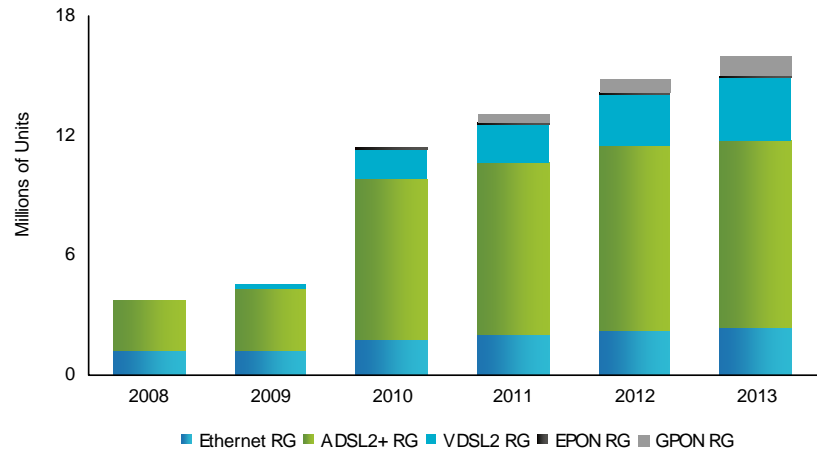
- Residential Gateway
 - Ethernet RG
 - ADSL RG
 - VDSL RG
 - EPON RG
 - GPON RG

Since 2006, carriers began to transition away from legacy voice services and toward value-added service. In that year, both China Telecom and China Unicom rolled out bundle service brand called “My E-Home” and “Family 1+ plan,” respectively. With converged terminals, a combined wireline and wireless bound solution for voice services and an integrated information solution for voice, Internet, value-added, and video applications can be offered.

Carriers are willing to make the RG the center of home networking. The ultimate goal of an RG is to provide intelligent, ultra-reliable, high-throughput networking that connects multiple STBs, DVRs, PCs, media servers, dual-mode handsets, and any other network home appliances.

This report provides analysis on Residential Gateways with the principle driver behind the growth of RGs and the functional requirements of RGs in support of multiple services. This report includes in-depth forecasts covering broadband and Internet Protocol Television (IPTV) subscriber numbers, residential gateway shipments, revenues, Bill of Materials (BOM) and component Total Available Market (TAM) forecasts.

China RG Shipment Forecast



Critical Questions Answered

- What are the main drivers for China carriers to deploy residential gateway?
- What are the main obstacles that must be overcome to drive the adoption of residential gateway?
- What is the TAM of residential gateways in China?

Who Should Read This?

- EMS / ODM
 - Marketing
- Fables / Foundry
 - Sales
- Financial Community
- Telecommunication OEMs
 - Marketing

Lead Analyst**Loren Zhao, Industry Analyst**

Loren is the industry analyst of iSuppli China Research. He is responsible for the research and analysis of China's wireline telecommunication market including broadband access networks, next generation networks and optical networks.

Prior to joining iSuppli, Loren worked for Alcatel Shanghai Bell as a product manager on broadband access networks. Prior to Alcatel, Loren served as a product engineer on network equipment at SVA, a leading telecommunication equipment manufactory in China.

Loren holds a bachelor degree of Communication and Information Engineering from Shanghai University, PRC.

Table of Contents

- Executive Summary
- Findings and Implications
- Overview of China Residential Gateways
 - Definition
 - Residential Gateways in China
- The Role of Residential Gateways in the Chinese market
- Development of Residential Gateways in China
 - Drivers
 - Hurdles
- Introduction to the Residential Gateway Market
- Silicon TAM for Residential Gateways
- China Residential Gateway OEMs

Figures

- The Revolution of Residential Gateway
- China Home Network Subscriber Forecast, 2008-2013
- Broadband Household Subscriber by Technology Forecast, 2008-2013
- China RG Shipment Forecast, 2008-2013
- China Residential Gateway Revenue Forecast, 2008-2013
- China Residential Gateway Silicon TAM Forecast, 2008-2013
- China Domestic RG Market Share by Shipment, 2008

Tables

- China Telecom and China Unicom RG Function List
- Functional Overview of China RGs
- Residential Gateways Downstream Bandwidth Requirement Forecast
- Residential Gateways Upstream Bandwidth Requirement Forecast
- Major Silicon Vendors of RG
- Ethernet RG Typical BOM Cost Forecast, 2008-2013
- ADSL2+ RG Typical BOM Cost Forecast, 2008-2013
- ADSL2 + VoIP RG Typical BOM Cost Forecast, 2008-2013
- VDSL2 VoIP Typical BOM Cost Forecast, 2008-2013
- EPON RG Typical BOM Cost Forecast, 2008-2013