

## Intel Powers New Home Gateway Solution for the Connected Home

### Intel Lays Down Broad Foundation for Connectivity with High Performance and Security for Home Gateways and the Latest in Wi-Fi

#### News Highlights:

- Intel announces the release of Intel® AnyWAN™ GRX750 SoC family as well as reference designs for home gateways
- Intel announces Intel® XWAY™ WAV500 Wi-Fi chipset, the 5th Generation 11ac MU-MIMO Wi-Fi family of products for increased connectivity and performance
- Intel is enabling more than a dozen OEMs and ODMs to deliver broadband gateway and Wi-Fi access points for the retail market.



May 31, 2016 — At Computex 2016, Intel announced the Intel AnyWAN GRX 750 SoC (system-on-a chip); Intel XWAY WAV500 Wi-Fi chipset, Intel's new 5th Generation 11ac MU-MIMO Wi-Fi family of products; and a portfolio of home gateways from leading OEMs for the retail networking industry. Intel's connectivity products for the connected home provides the foundation needed to support the increasing number of connected "things" and Internet-based cloud services, which are delivering trusted and effortless experiences for consumers and small businesses.

**Connecting the Home with [Intel AnyWAN GRX750 SoC Family for Home Gateways:](#)** The Intel AnyWAN GRX750 SoC family is a high-performance, low-power broadband and communication processor SoC, based on the Intel® Atom™ microarchitecture. Intel's latest SoC enables the service provider and retail OEMs to quickly deliver innovation for the connected home, while saving costs, simplifying operations, creating new services and applications, and meeting evolving customer expectations.

- The Intel AnyWAN GRX750 SoC enables home gateways to provide richer experiences for consumers in the home. The Intel platform connects to media-centric devices like smart TVs and other entertainment clients with a secured infrastructure incorporating Intel® Security products. It further enables local and cloud-based services, media creation and content sharing for devices ranging from next-generation ultra-high-definition devices to "things" in a person's home. This allows our OEMs, service providers and retailers to offer their customers a more trusted and effortless connected home experience.
- Unlike other solutions in the market today, the Intel AnyWAN GRX750 SoC provides OEMs the flexibility to connect wired or wireless technology, including optical fiber, DSL, G.fast and 4G/5G.
- New Intel AnyWAN GRX750 SoC-based reference designs from Intel provide ODMs, OEMs and system integrators with designs that support multiple connectivity options and provide the 1G to 10G wired and wireless connectivity to meet the growing demands of today's consumers, service providers and businesses.

**Increase Home Connectivity Performance with Intel XWAY WAV500 Wi-Fi Chipset, Intel's 5th Generation 11ac MU-MIMO Wi-Fi Family of Products:** To deliver the performance and scalability to support the increasing number of connected devices in the home, Intel announced the 5th Generation

- As the number of household devices grows, so does CPU utilization. Intel AnyWAN GRX750 SoC coupled with the Intel® XWAY™ WAV500 Wi-Fi chipset can deliver processing power and memory with zero CPU utilization, freeing CPU performance for new and advanced services.
- Intel has the highest-performing Wi-Fi solution in the industry today supporting more than 100 clients. This meets the performance and consumption needs of the growing mobile user's media-centric applications needs and the growing IoT devices connectivity market.
- The Intel AnyWAN Connectivity architecture enables consumer Wi-Fi access points to cost-effectively connect to wired or wireless networks in the retail channel. Consumers will be simultaneously able to support more than 100 devices in the home with more than 1 Gbps of traffic.

## CONNECTING AND ENABLING SMART HOME EXPERIENCES

Innovating with the ecosystem for the way we want to live.

With Intel, you can seamlessly deliver the connected, smart experiences that ease the burden of running a home, enrich daily life, and assure peace of mind in our domestic spaces. Intel technologies are helping to transform the infrastructure and networks that connect devices in the home and provide consumers with the Gigabit connectivity they have come to expect.

Exceptional performance and connectivity for a wide range of home devices—more choice for consumers

Ease-of-use and interoperability from home to cloud to data center.

Standardized platforms allow fast scaling of enterprise solutions for the home

Advanced solutions for telecom and cable with Gb Wi-Fi

CABLE  
DSL  
FIBER  
WIRELESS

Residential gateways support many connectivity options and smart experiences

Secure, manageable home networks, mobile, Internet access, media sharing, and storage

The infographic features a central white Intel AnyWAN gateway router. To its left, a cloud icon is connected to a server rack icon by a dashed line, with text below stating 'Standardized platforms allow fast scaling of enterprise solutions for the home'. Below the cloud, four circular icons represent different connection types: 'CABLE', 'DSL', 'FIBER', and 'WIRELESS'. To the right of the gateway, a collection of smart home devices is shown, including a television displaying a surfer, a smart thermostat showing '72', a smart light bulb, a laptop, a tablet, a refrigerator, and a smart speaker. Text above these devices reads 'Residential gateways support many connectivity options and smart experiences'. Below the devices, text states 'Secure, manageable home networks, mobile, Internet access, media sharing, and storage'. In the top right corner, text says 'Exceptional performance and connectivity for a wide range of home devices—more choice for consumers'. In the bottom right corner, text says 'Ease-of-use and interoperability from home to cloud to data center'. The Intel logo is in the bottom right corner of the graphic.

### Intel Entering New Retail Markets to Offer Smarter Connected Home Solutions

With more than 1 billion residential gateways expected to ship in the next three years, Intel is entering new retail networking markets to allow people with more choice on connected home solutions<sup>1</sup>. Intel announced more than 12 designs with leading OEMs and ODMs including Arris\*, ASUS\* AVM\*, Belkin\*, Foxconn\*, Haier\*, Hitron\*, Humax\*, Mitrastar\*, Netcore\*, Netgear\*, NewOne\*, VTech\* and Zyxel\*.

For more information, visit: [www.intel.com/connectedhome](http://www.intel.com/connectedhome).

<sup>1</sup>Infonetics 3Q'15 Broadband CPE Market Forecast, Infonetics 2014 Home Networking Device Forecast.

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