

INTELLIGENT HOME NETWORK INFRASTRUCTURE



Deliver consistent connectivity to all corners of the home

THE CONNECTED HOME CHALLENGE

Will more devices, more data, and more applications bring home networks to a halt? The opportunity is huge. **Are you ready?**

6.5 million 6.5M new Wi-Fi devices ship every day.¹

35+ By 2020, expect an average of 35 or more connected devices per household.³

4.2 million Together, Android* and Apple App Store* offered 4.2 million apps to consumers in 2016.²

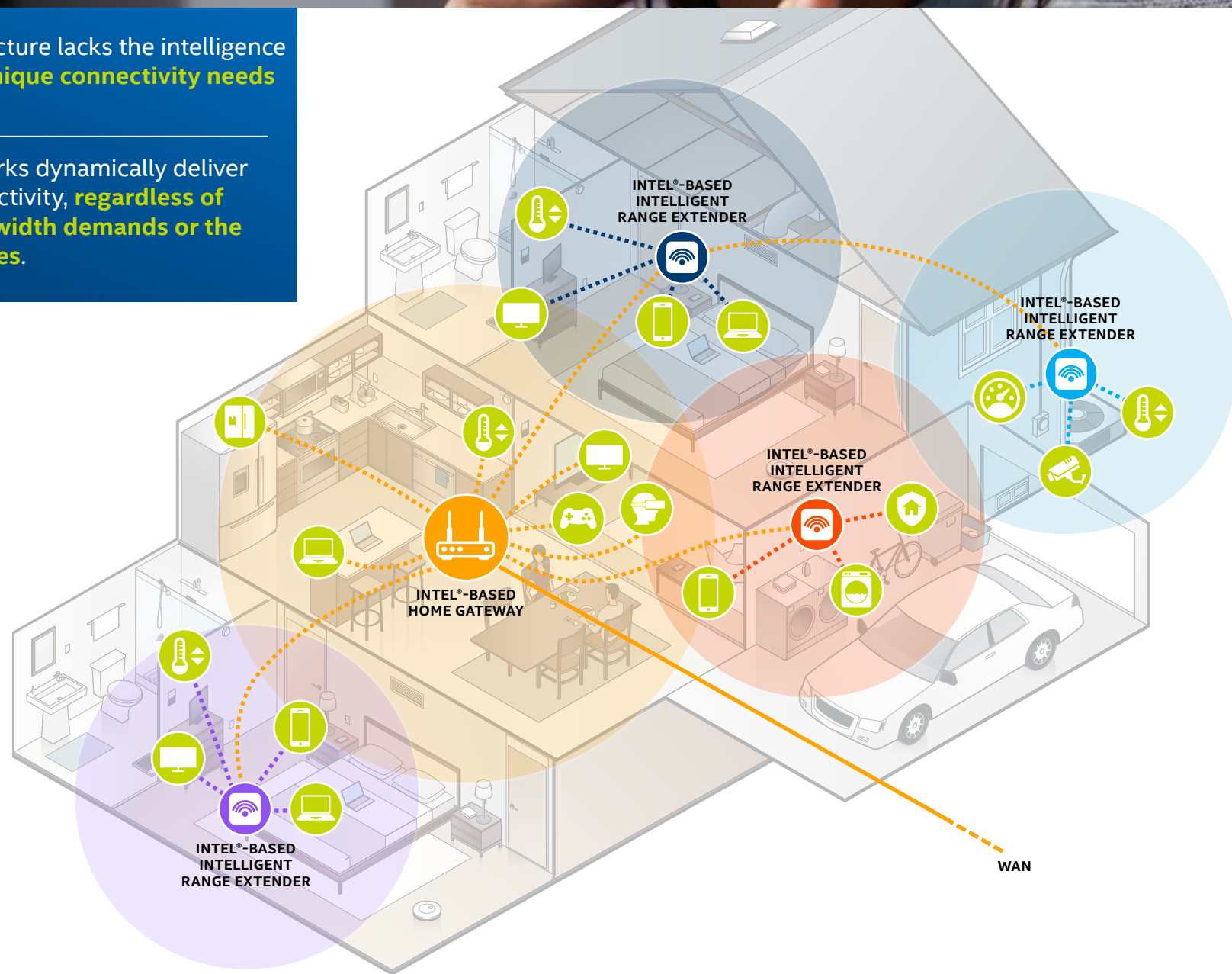
 Connected home applications—such as home automation, home security, and video surveillance—will represent 47% of total M2M connections by 2020.⁴

TODAY'S AND TOMORROW'S HOMES DEMAND **MORE CONSISTENT CONNECTIVITY EVERYWHERE.**



Today's infrastructure lacks the intelligence to manage the **unique connectivity needs of each device.**

Intelligent networks dynamically deliver consistent connectivity, **regardless of increasing bandwidth demands or the number of devices.**



INTEL® HOME WI-FI DEVELOPMENT KIT

Accelerate development of an intelligent, context-aware home network infrastructure.

- Implement a self-organizing infrastructure that reorganizes in near-real time to deliver optimal throughput to clients
- Dynamically connect clients to a range extender, frequency band, and channel to maintain consistent throughput
- Perform near-real-time monitoring and self-healing diagnostics

RELATED INTEL TECHNOLOGIES

Deliver faster and smarter networks with Intel's connected home solutions.

- **Intel® Home Wi-Fi Chipset WAV500 Series:** Innovative Wi-Fi solution that allows 128 clients to share the same bandwidth simultaneously and still maintain aggregated gigabit speeds.⁵
- **Intel® AnyWAN SoCs and Intel® Puma 7 Family:** Enhances broadband connectivity in cable, fiber, telco, and consumer retail gateways.

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1. <http://www.wi-fi.org/news-events/newsroom/total-wi-fi-device-shipments-to-surpass-ten-billion-this-month>

2. <https://www.statista.com/statistics/276623/number-of-apps-available-in-leading-app-stores/>

3. <http://www.marketsandmarkets.com/Market-Reports/smart-homes-and-assisted-living-advanced-technology-and-global-market-121.html>

4. <http://www.cisco.com/c/en/us/solutions/collateral/service-provider/visual-networking-index-vni/hyperconnectivity-wp.html>

5. Aggregated throughput comparison of Intel® XWAY™ Wi-Fi chipset WAV500 series and similar Wi-Fi chipsets, in the Ixia IxVeriWave WaveBlade® Wi-Fi module. Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at intel.com.

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