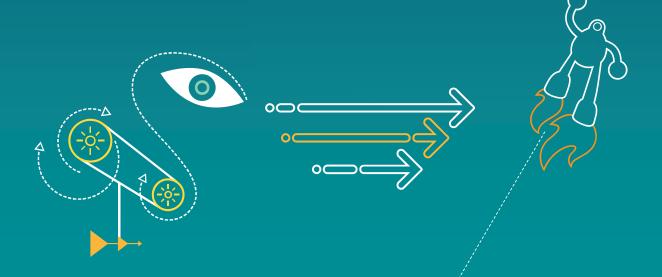
Smart Gateway Analyst Presentation

QUALCONN®



The Home Network as a Platform

The "router" is moving toward an expanded role, supporting new capabilities

Smarter Network

- Smart traffic management (better app performance)
- Self learning capabilities to keep up w/ changing environment
- User/device discovery and profile awareness

Application platform

- Loadable apps that take advantage of the router's always on, always connected position in the home.
- App environment that leverages existing developer base and creates synergies with apps on other devices

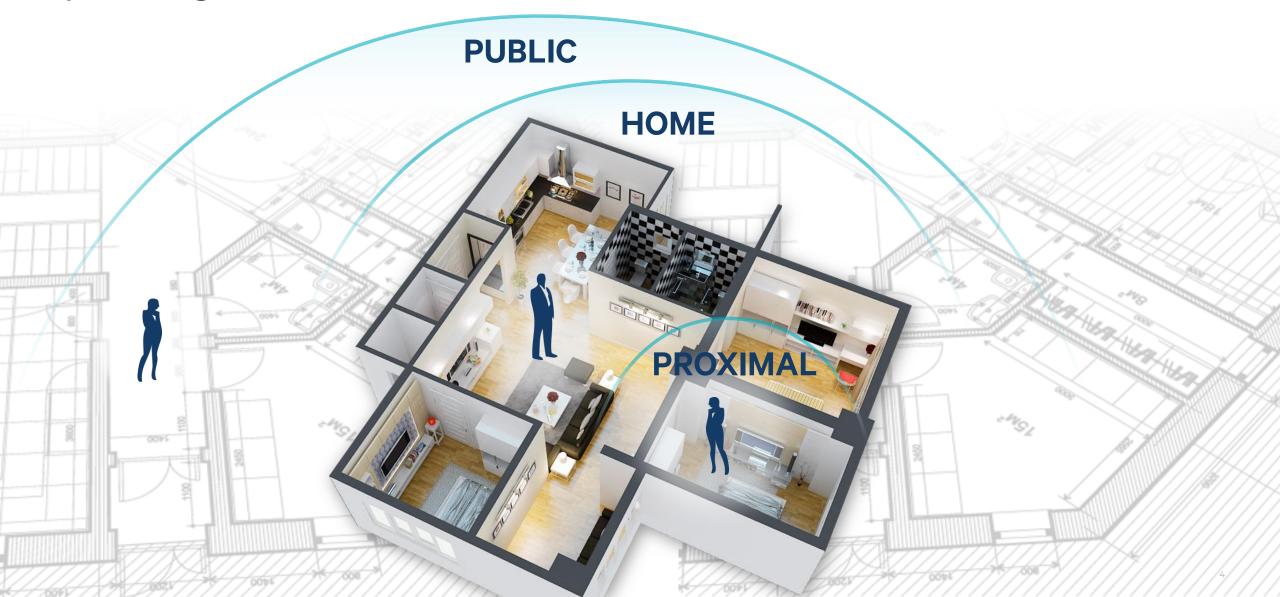


Applications Leverage Always-On, Central Position of the Smart Gateway



- Always-on, always-connected smart gateway ensures 24/7 home automation
- Smart gateway apps securely pull/push resources from/to the public cloud
- Central position of the smart gateway makes it ideal for multi-user, multi-devices apps
- Smart gateway apps minimize software footprint in connected devices
- Smart gateway apps offload mobile devices in the home and keep them power efficient.

Spanning Across Three Clouds: Public, Home, Proximal

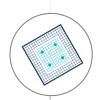


Qualcomm Smart Gateway

BUILT ON MULTIPLE PILLARS...

Qualcomm Internet Processor

Immense 10K+DMIPs processing to power multiple devices, applications, services



Qualcomm VIVE

3-stream, dual-band 802.11ac networking capacity



StreamBoost Intelligence

To optimize the networking capacity of the broadband connection



AllJoyn Framework & Services

Enabling discovery, onboarding & control of many "things"

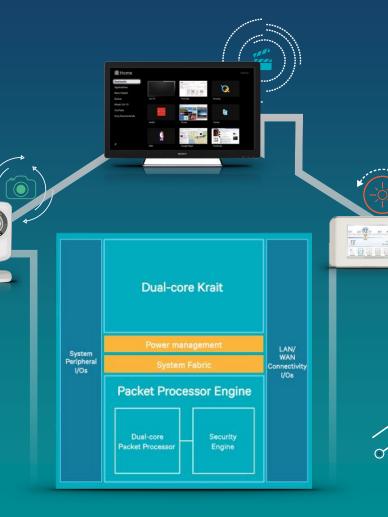


Open App-Friendly Dev Environment

To facilitate development of new network apps & services



Qualcomm Internet Processor (IPQ)



Built to power the next generation of Internetbased content, services and applications

Leading the Home Network Performance Curve



Highest Performance

- Dual-core 1.4 GHz Krait
 - ~10K DMIPS
- Dual-core Packet Processor Engine
 - Multi-Gbps network offload capacity
 - Multi-thread, concurrent processing



Lowest power in the industry

- Low power based on mobile architecture
- Industry's First CPU/NPU for home at 28nm
- Highest DMIPS per Watt
- Unique, dynamic voltage & frequency scaling





Flexibility

- Broad range of advanced network connectivity, media access/storage and control interfaces
- Programmable Network Accelerator provides future proof for new standards & features



Security

- AES/3DES/SHA Encryption
- Ipsec, MACsec
- HW Key Authentication
- Trusted Computing

Whose packets are the priority?



Problems grow when there are more network users in the home all competing for the same Internet connection

Optimizing the Network with StreamBoost[™]

Intelligent traffic

management for a faster, more efficient home network

Automatically

gives each app & device the bandwidth it needs for the best experience

Simple GUI

lets you see every device & app running on the network

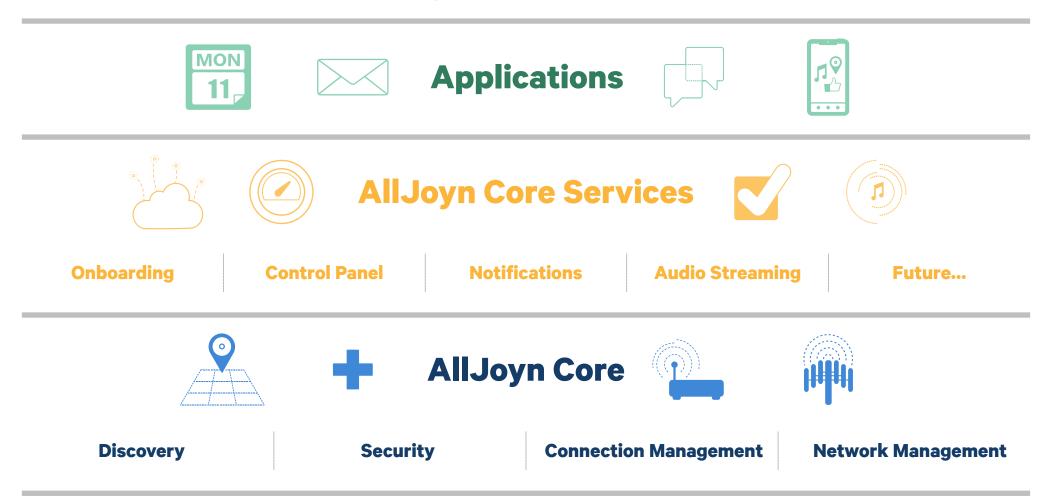
Cloud-based updates

continue to optimize network performance



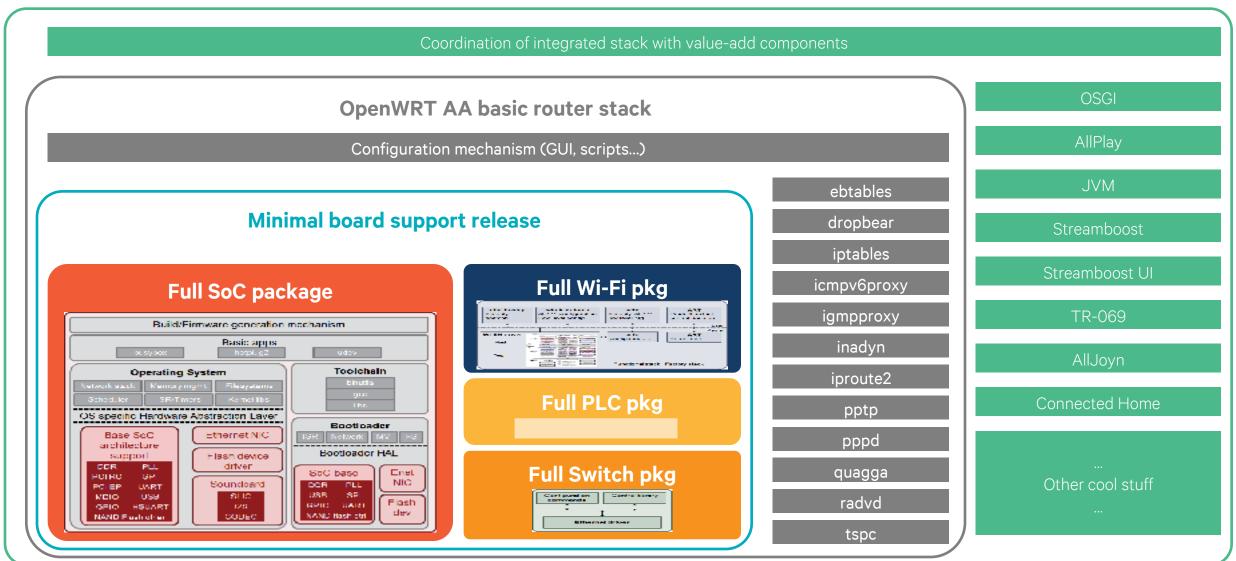
AllJoyn[™] is a Free, Open Framework For Discovery & Connectivity

Rich, open interaction across device categories



QSDK: QCA's platform approach

QSDK Profiles



What Functionality Can Quickly Be Added to the Smart Gateway

- Functionality of discrete devices
 - Dongle/puck hardware doesn't make sense in most situations
- Easy-to-use network management
 - Big opportunity for parental controls, network management, etc.
- Carrier/business-grade services
 - Home security, IoE, caching, and remote IT services
- Better content availability
 - Moving content is still a pain due to limited bandwidth, etc.
- Network security
 - Proven value + biz model; protect all the devices in the home network
- Run apps that currently use other devices (PC, tablet, etc.)
 - Router is better positioned to talk to devices and the cloud vs. other devices

Applications on the Qualcomm Smart Gateway

- Akamai's intelligent software demonstrates the ability to optimize delivery and pre-positioning of content such as videos and software.
- Pogoplug software allows users to attach a hard drive to their Qualcomm Atheros enabled router and instantly access files, photos, music and videos from both inside and outside home.
- Parental control provider Qustodio offers a superior solution to understand, manage and protect children's Internet activity.



Thank you

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