Fully Integrated System-on-Chip Single chip 2x2+2x2 Dual Band, Dual Concurrent SoC with Wave 2 11ac

The IPQ40x8/x9 represents another leap forward utilizing 11ac to prepare home networks for the next generation of connected services, apps, systems and things. This highly integrated product is the latest addition to the Qualcomm® Atheros Smart Gateway Platform, a product of Qualcomm Atheros, Inc. that enables OEMs to take Wave 2 11ac benefits to mainstream markets. Optimized features, size, cost and power efficiency make this the most versatile solution yet.

Highly configurable

Supports multiple configurations of two 2.4GHz and/or 5GHz Wi-Fi radios or even tri-band (with 60GHz) with a 3rd radio on PCIe. Additional support for a rich set of interfaces including USB 3.0, LCD, SD/eMMC, multi-channel audio, LTE and Ethernet.

Small form-factor

Integrated design enables significantly reduced size footprint (as small as 2.5 x 2.5 inch) to enable smaller DBDC 11ac Wi-Fi gateways, access points and wireless repeaters.

Cost-effective performance

Brings advanced capabilities (including 802.11ac Wave 2 MU-MIMO) to main-stream with this highly integrated SoC. Product features include quad-core A7 processor + DBDC 2-stream 11ac Wave 2 Wi-Fi + 5 port Gigabit Ethernet Switch.

Versatile design for a wide range of products

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Indicates only supported in IPQ40x9