# Standards-compliant Multi-gigabit Wireless Chipset Gives Enhanced Functionality to Wireless Devices

Qualcomm Atheros Inc., the networking and connectivity subsidiary of Qualcomm Incorporated (NASDAQ: QCOM), and Wilocity, a leading developer of 60 GHz multi-gigabit wireless chipsets for the mobile computing, consumer electronics and peripheral markets, today announced the AR9004TB, the industry's first tri-band Wi-Fi chipset that integrates the multi-gigabit performance of in-room 60 GHz band with seamless handoff to 2.4 GHz and 5 GHz band Wi-Fi. The new AR9004TB solution is the first chipset capable of supporting a wide range of applications, from I/O to video to networking, at the same speeds as equivalent wired connectivity technologies, while maintaining whole home coverage and complete interoperability.

AR9004TB is a significant step forward in delivering the most seamless, high-performance wireless networking connectivity. By using a fully standards-compliant and interoperable approach, Qualcomm Atheros and Wilocity can help device makers deliver more than 10 times greater speed in Wi-Fi performance, resulting in faster data and video transfers between devices. These enhancements will help power even more advanced devices, applications and experiences, from gaming to video streaming, smart synchronization and wireless docking. New fast session transfer technology in the AR9004TB will drive a seamless transition between multi-gigabit in-room performance to whole home and enterprise wireless coverage.

"The new AR9004TB solution strengthens and expands our industry-leading portfolio of wireless and wired connectivity technologies for consumer and enterprise devices," said Amir Faintuch, senior vice president and general manager, consumer business unit, Qualcomm Atheros. "By incorporating 60 GHz multi-gigabit transfer with proven 802.11n Wi-Fi technologies, Qualcomm Atheros and Wilocity are creating an even more valuable offering for customers looking to expand their presence in the market. AR9004TB will allow users to enjoy new generations of rich applications in the home and at work while also helping keep their devices and information fully synchronized."

"As the promise of multi-gigabit wireless technology becomes reality, Wilocity is proud to take its place, with Qualcomm Atheros, at the head of the long line of future WiGig and draft 802.11ad products that will follow," said Mark Grodzinsky, vice president of marketing, Wilocity. "The AR9004TB solution is the first to offer multi-gigabit Wi-Fi and wireless bus extension, coupled with dual-band Wi-Fi and Bluetooth 4.0 for a truly wireless experience for a wide range of applications from I/O to networking to video. For the first time, the fastest way to access data from products that implement this groundbreaking technology will be wireless."

The AR9004TB solution is the first tri-band Wi-Fi chipset to integrate support for 2.4 GHz, 5 GHz and 60 GHz bands. As such, it is the first chipset to bring standards-based, multi-gigabit wireless networking to the market, integrating 802.11n and WiGig/802.11ad technologies in the same form factor. Consumers utilizing devices based on this technology will enjoy 802.11n Wi-Fi for whole home connectivity along with 802.11ad for networked synchronization of HD movies in seconds (versus tens of minutes), I/O connection to USB3/SATA hard drives, instant “sync and go” between mobile platforms, streaming display to projectors/TVs/monitors, and high-performance wireless docking.

The 60 GHz technology found in AR9004TB is based on the latest specifications from the Wireless Gigabit Alliance and IEEE 802.11ad and will be Wi-Fi Alliance certified. The AR9004TB also supports the latest Bluetooth 4.0 specification, which includes both high-speed and low-energy operation to extend personal area connectivity to a variety of devices. It includes a new message-based coexistence interface that allows superior interference avoidance and cancellation for Wi-Fi and Bluetooth coexistence.

Based on the Wireless Gigabit Alliance (WiGig) specification, Wilocity’s wireless bus extension technology will enable truly multi-gigabit wireless for a wide range of applications from I/O to networking to video. For more information, please visit www.wilocity.com [1].

Qualcomm Atheros leverages its substantial expertise in RF, signal processing, software and networking to deliver highly integrated, low-power, system-level solutions that enable customers to create high-performance, differentiated products. For more information, go to www.qca.qualcomm.com [2].

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**Links:**
[1] http://www.wilocity.com
[2] http://www.qca.qualcomm.com