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TUESDAY, AUGUST 16, 2011

AirTies and Quantenna to deliver wireless HD video streaming with unparalleled range and performance

IBC 2011, FREMONT, USA & ISTANBUL, TURKEY: AirTies, the innovative wireless networking and set-top box vendor, is partnering with Quantenna Communications Inc., a leader in ultra-reliable Wi-Fi networking for whole-home entertainment, to build High Definition (HD) video streaming solutions for the home with unmatched range and performance.

The state-of-the-art wireless video performance of Quantenna's 802.11n 4x4 MIMO chipset combined with AirTies' MAC-level distribution software enables solutions that are capable of flawlessly delivering multiple simultaneous HD video streams in the home through as many as three concrete floors.

"The biggest challenges in wireless video streaming have always been how to mitigate interference and penetrate concrete walls," said Metin Taskin, CTO, AirTies. "Through their combined resources, Quantenna and AirTies have successfully overcome these problems. Our tests show a performance level that outstrips anything available in today's market in terms of quality, range and reliability. We're hugely optimistic about the potential impact of our combined technology on the wireless home networking marketplace."

The first fruits of the partnership between AirTies and Quantenna are new versions of AirTies' wireless video access point (AP). The company's new Air 4610/1 and Air 4640/1 APs featuring Quantenna silicon will be on display during IBC 2011, September 9-13, at the AirTies stand, #B33 in Hall #5 at the RAI Amsterdam exhibition center.

"We are pleased to be collaborating with AirTies on these new APs for broadband home entertainment," said Lionel Bonnot, VP of sales and business development, Quantenna. "AirTies has built a strong reputation for optimizing 802.11n technology using dual-mode concurrent architectures and other proprietary enhancements, and we are very excited about how well the AirTies platform performs using our 4x4 MIMO chipsets with advanced beamforming and channel-optimization capabilities."

About Me



[Pradeep Chakraborty](#)

My blog (Pradeep Chakraborty's Blog) was selected as the best in the world in the Electronic Hardware category for 2008-10, by Electronics Weekly, UK. It also received an Honorable Mention @ Blognet Awards 2009!. PC's Semicon Blog was awarded the Top Digital Media Blog by Online IT Degree (in November 2010). I have multiple interests, including sports, reading, writing, etc.

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Quantenna's silicon is the highest performing Wi-Fi solution on the market, with the ability to distribute multiple video streams at 1080p-120, 1080p-60 and 1080i resolution through several walls and over long distances. The company's QHS7xx 4x4 MIMO 802.11n chipset delivers up to 600 Mbps of bandwidth throughout the home, and enhances coverage when connecting to non-4x4 MIMO clients such as iPads or 2x2 and 3x3 MIMO clients that are often found in laptop computers.

Quantenna's powerful silicon combined with AirTies' video distribution technology overcomes typical problems traditionally associated with wireless video distribution, such as lost packets, jitter and latency. The chipsets operate in the 5GHz frequency band to avoid interference, and utilize dynamic digital beamforming along with channel management to regularly scan all available channels for noise, interference and traffic and then select the optimal route for interference-free multi-channel, HD video streaming.

Posted by Pradeep Chakraborty at [6:11 PM](#)

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