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Arada Systems and NETGEAR Deliver Optimal Wireless Router Signal Performance and Range Through Dynamic Channel Switching

Showcasing the New NETGEAR N600 Wireless Dual Band Gigabit Router -- Premium Edition (WNDR3800) With Arada's ACS/DCS Feature at the 2011 CES Show

SANTA CLARA, CA--(Marketwire - January 5, 2011) - Arada Systems, developers of specialized advanced Wi-Fi technology, and NETGEAR, Inc. (NASDAQ: [NTGR](#)), a global networking company that delivers innovative products to consumers, businesses and Internet service providers, have partnered to provide optimal signal performance and range in the new N600 Wireless Dual Band Gigabit Router - Premium Edition (WNDR3800). Being showcased at the 2011 International CES show, January 6-9, 2011 in Las Vegas, Nevada, the NETGEAR WNDR3800 features Arada's "Auto Channel Selection" (ACS) and "Dynamic Channel Selection" (DCS) technology.

With the proliferation of wireless devices in the limited 2.4GHz and 5GHz bands, interference leading to performance problems is a growing issue. Until now, interference scanning has only been provided through a backend controller or dedicated external devices. These solutions are expensive and do not dynamically switch channels to improve performance. The new ACS/DCS feature means the NETGEAR WNDR3800 is the first standalone router that automatically and frequently scans the environment to dynamically select the best wireless channel with the least amount of interference.

"Other routers on the market stay fixed on a certain channel which users typically don't change. In the end, all the devices in a neighborhood could be running on the same shared channel leading to slow connections for everyone," states Vivek Pathela, VP and GM of Home/Consumer Products at NETGEAR. "Our new NETGEAR WNDR3800 Premium Edition router with Arada's ACS/DCS automatically operates on the most clear and open channel. That may mean Channel 1 in the morning, but once neighboring networks get busy at night, Channel 9 may become the best channel that the router is automatically reconfigured to."

Controlled by threshold values based on real-life situations, Arada's ACS/DCS feature accurately detects all interfering wireless signals in the 2.4GHz and 5GHz bands including those from microwave ovens, cordless phones, Bluetooth devices, baby monitors or neighboring WLAN networks.

"ACS/DCS interference detection and dynamic channel switching happens in the background and therefore without disruption to users," states Praveen Singh, Arada Systems' President and CEO. "In rigorous real-life testing scenarios ACS/DCS was found to be extremely reliable. There was no disruption to online video streaming nor Skype-based VoIP calls while switching channels to avoid interference. The end result is much better application performance overall. Should the default thresholds need adjustment, the user can easily change them."

The new NETGEAR WNDR3800 with Arada's ACS/DCS will be showcased at the 2011 International CES show in the South Hall Lower Level, meeting room MP25975. To make an appointment, contact sales@aradasystems.com.

About Arada Systems

The Arada team applies its deep wireless systems knowledge to deliver integrated, feature-rich technology to markets such as Enterprise, SMB, Outdoor, Automotive, Consumer, Carrier and Retail. Services in Wi-Fi product engineering and optimization provide comprehensive support to companies creating world-class products and solutions. Founded in 2005, Arada Systems has a team of industry experts from leading companies including Atheros, Cisco, Philips, Conexant, Extreme, Nvidia and Apple. www.aradasystems.com

About NETGEAR, Inc.

NETGEAR (NASDAQ: [NTGR](#)) is a global networking company that delivers innovative products to consumers, businesses and Internet service providers. For consumers, the company makes high performance, dependable and easy home networking, storage and digital media products to connect people with the Internet and their content and devices. For businesses, NETGEAR provides networking, storage and security solutions without the cost and complexity of Big IT. The company also supplies all of the top Internet service providers with retail proven, whole home solutions for their customers. NETGEAR products are built on a variety of proven technologies such as wireless, Ethernet and powerline, with a focus on reliability and ease-of-use. NETGEAR products are sold in over 28,000 retail locations around the globe, and through more than 37,000 value-added resellers. The company's headquarters are in San Jose, Calif., with additional offices in 25 countries. NETGEAR is an ENERGY STAR® partner. More information is available at www.NETGEAR.com or by calling (408) 907-8000.

<http://www.marketwire.com/press-release/arada-systems-netgear-deliver-optimal-wireless-router-signal-performance-range-through-nasdaq-ntgr-1376106.htm>