



Wireless Broadband anytime & anywhere

## **Azalea Networks' New Operating System More than Doubles Wireless Mesh Network Bandwidth Capacity**

Milpitas, California – April 15, 2008 – Azalea Networks, a leading innovator in wireless mesh broadband equipment and technology, today announced the launch of its upgraded wireless mesh network operating system, the Azalea Operating System (AOS) 2.5. The patent-pending technology inherent in the AOS optimizes bandwidth, provides enhanced management functions, and improved communications for users in industrial and enterprise applications as well as carrier operator services.

Due to often great distances between wireless routers and the mobility of terminals, wireless transmissions often encounter problems such as low speed and data loss. The AOS 2.5 significantly minimizes these problems due to an optimized bandwidth design to increase transmission speed and capacity. “The optimized technology in the AOS 2.5 can double the user throughput,” commented Felix Zhao, CTO of Azalea Networks. “The new version also strengthens the network management function, making it possible for a single PC... with the Azalea Network Management System software installed... to manage up to 300 nodes, tripling the capabilities of the previous version,” he added.

Unlike standard transmission mode which experiences suspension when a data packet is transmitted, the AOS 2.5 uninterruptedly sends data packets to their destination, increasing the transmission of voice, video, and data. The AOS 2.5 also features a compression function that compresses frames before sending and decompresses them upon arrival, leaving more bandwidth for other traffic. “The improved transmission mode and compression capabilities means users experience double the standard data speed, and that allows the network to effectively extend its coverage capacity over greater distances,” reported Zhao. “Tests show that the new technology, with its optimized bandwidth design, expands the bandwidth capacity by two and one-half times the capacity of a standard wireless network, significantly improving the transmission efficiency of any wireless mesh network,” he said.

Mr. Wang Yuan, director of CCID Testing, a Chinese market research firm, verified the improved bandwidth optimization of the AOS 2.5 in achieving a smoother wireless transmission, with enhanced wireless transmission service quality. “With the increasing number

of wireless network users, the AOS 2.5 will undoubtedly push forward the application and development of wireless mesh networks in various industries,” he said.

### **About the Azalea Operating System 2.5**

The AOS 2.5, along with the Azalea Network Management System, enables Azalea’s “intelligent” mesh routing solution that ties together the entire network product offering, including outdoor and indoor routers, network management system, and video surveillance capabilities that offer the same quality and transmission capabilities as a wired network. The AOS 2.5 may be utilized in wireless cities, public safety, oil and gas industries, highway and traffic monitoring, as well as carrier operator applications.

For more information on the Azalea Operating System 2.5 and wireless network technology, visit [www.azaleanet.com](http://www.azaleanet.com).

### **About Azalea Networks**

Azalea Networks ([www.azaleanet.com](http://www.azaleanet.com)), headquartered in Milpitas, California, and Beijing, China is a leading provider of wireless mesh broadband systems and solutions. Delivering the highest performance and industry leading scalability and support, Azalea is the number one mesh solution provider in China and among the fastest growing mesh providers in the global market.

###

*All product and company names mentioned herein may be the trademarks of their respective owners. Azalea Networks and the Azalea Networks logo are trademarks of Azalea Networks in the U.S. and various countries.  
©2008 Azalea Networks, Inc. All rights reserved.*

Contact: Paul Gassett, Director, Worldwide Marketing Communications, Azalea Networks, 314-842-1716, [paul.gassett@azaleanet.com](mailto:paul.gassett@azaleanet.com)