

January 2006

## **Ubiquiti introduces Frequency Freedom Technology**

San Jose, January 23, 2006—Ubiquiti Networks, a leader in outdoor wireless networking, today announced the introduction of the SuperRange9 -- a hi-power 900 MHz mini-PCI radio module based on its patent-pending Frequency Freedom technology.

Frequency Freedom transforms standard 802.11 silicon into a powerful radio platform capable of operation in any frequency imaginable -- from DC to 60 GHz. Ubiquiti is able to accomplish this through innovative non-standard radio integration and firmware design. "With Frequency Freedom, we are leveraging the cost-benefits and thousands of man years dedicated to the refinement and advancement of the 802.11 protocol. So, in a sense we achieve the best of both worlds -- carrier grade radio performance with frequency operation outside the 802.11 standards, but at the same time, we can pass on the cost-savings and tremendous feature sets found in the MAC and PHY layers of today and tomorrow's 802.11 chipsets," said Robert Pera, Managing Director of Ubiquiti Networks.

SuperRange9, the first product based on Ubiquiti Frequency Freedom technology, features 700mW output power capability, -93dBm receive sensitivity, advanced noise mitigation functionality, and data throughput of up to 54Mbps in OFDM mode. However, the greatest attribute of the SR9 is its frequency operation at 900 MHz which provides incredible range advantage over standard 2.4 and 5 GHz 802.11 solutions in obstructive environments. The SR9 uses the AR5213 802.11 MAC/BB IC from Atheros Communications and is instantly compatible with existing Atheros drivers including the popular open source Linux MADWIFI driver. In addition, it seamlessly passes on advanced features found in Atheros' technology including 5/10/20 MHz selectable transmit bandwidth, Xtended range, and security protocols including WPA2.

Ubiquiti is initially targeting Wireless Internet Service Providers and Mesh Networking vendors for its Frequency Freedom technology. Because the SR9 is fully functional using standard existing 802.11 drivers and comes with FCC modular certification approval, it requires virtually no development time or resources from vendors who incorporate it into their existing products. "Ubiquiti's SuperRange9 900 MHz solution will be a very attractive addition to the increasingly popular city WiFi market. If it can be integrated into the mesh

infrastructure and client premise equipment, it could significantly improve the value proposition of municipal WiFi networking as it will allow these networks to penetrate buildings -- something not entirely possible today using standard 802.11 frequency operation. Peplink's multi-SSID Access Point, PolePoint, and municipal wifi CPE, Surf, will support 900 MHz operation using Ubiquiti SuperRange9." said Alex Chan, Managing Director of PePWave in Hong Kong.

Ubiquiti is also planning to roll out new Frequency Freedom products in the coming months which will be very attractive to other markets such as licensed telecom networks and military applications.

The SuperRange9 is Ubiquiti's first Frequency Freedom product offering and is now sampling through authorized distributors listed at [www.ubnt.com](http://www.ubnt.com). It carries a MSRP of \$159 per unit.

#### About Ubiquiti Networks

Ubiquiti Networks is a new company founded in 2005 with the mission of enabling ubiquitous wireless broadband networking. Ubiquiti's patent-pending technologies and innovative designs have in recent months produced ground-breaking products with a large OEM, distributor, and carrier customer following. Ubiquiti's products enable carriers to build stronger, faster, and smarter wireless networks. Ubiquiti Networks is a privately held company located in Silicon Valley, California. <http://www.ubnt.com>

#### About PePWave

PePWave is one of the leading manufacturers and marketers of broadband devices, integrated solutions and embedded platforms. Embracing open source philosophy which does not compromise quality, innovation or superior customer relations, PePLink has developed a new generation of Linux-powered devices to bring innovative features to the market. PePLink's products have been deployed in various leading Service Providers, Small and Medium Businesses, System Builders and Tech-savvy Users around the world. <http://www.pepwave.com>