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AvaLAN Wireless Announces New High Speed Outdoor Industrial Wireless Ethernet with Built-In 3-Port POE Switch

Huntsville, AL., July 17th, 2012 - Alabama-based AvaLAN Wireless Systems, Inc. is pleased to announce its new high speed outdoor industrial wireless Ethernet radio system with a built-in 3-port POE switch. AvaLAN has expanded this 100 Mbps wireless radio product line to include two new units that incorporate an 802.3af Power over Ethernet 3-port switch. This allows system integrators to place a single wireless Ethernet radio at a location and provide power and data connections for up to three Ethernet devices, such as Megapixel IP cameras. 48 VDC power is provided to the three devices via unused wires in their data cables. These products are fully compatible with the other models in the AW58100 line and allow you to build line-of-sight, point-to-point, point-to-multipoint or mesh wireless Ethernet connections that link "fringe" IP devices, such as video surveillance cameras or other devices needing robust and secure high data rates. The radios are packaged in rugged and weatherproof die-cast aluminum enclosures and are available in both directional and omnidirectional antenna configurations. Utilizing state of the art MIMO technology and a user friendly robust interface, the AW58100 product line achieves very high data rate through a combination of multiple spacial streams and higher level OFDM modulation. The AW58103HTS directional flat panel antenna version provides two 90° polarized 23 dBi gain units and is intended to serve in point-to-point bridge configurations or as a subscriber unit in point-to-multipoint connections. The AW58103HTM omnidirectional unit provides two 6 dBi gain antennas and is designed to serve as a multipoint mesh node.



"AvaLAN's new multipoint industrial wireless products will provide system integrators with the flexibility to connect multiple IP cameras to a single wireless Ethernet connection," said Matt Nelson, Chief Executive Officer of AvaLAN Wireless Systems, Inc.



AvaLAN is continuing its market leadership position in providing robust, reliable and secure wireless solutions for security applications, access control, industrial automation, remote sensing and remote control markets. AvaLAN products are a replacement for installations where systems are under-performing or failing completely due to insufficient range, excessive interference, unsatisfactory reliability or lack of security. AvaLAN's products offer the ideal combination of price, range, data rate, security, interference avoidance, quality-of-service, and a simple plug and play set up with minimal user programming required. No other company can match the price- performance characteristics of AvaLAN's products.

The new 5.8 GHz Outdoor Wireless 3-Port Ethernet Radios are now shipping and available. The new AW58103HTS flat panel subscriber unit will have a manufacturer's suggested retail price of \$1199 USD. The new AW58103HTM mesh unit will have a manufacturer's suggested retail price of \$1399 USD..

About AvaLAN Wireless Systems, Inc.

AvaLAN Wireless is an industry leading developer and manufacturer of long range industrial wireless radios and cryptographic technology. AvaLAN's products are designed to enable affordable secure wireless connections in perimeter or remote locations that require long range, interference immunity, superior reliability and uncompromising data security. AvaLAN has grown each year since 2004 and has shipped over 50,000 radios to the networking, surveillance, digital signage, robotics, industrial automation and access control markets. Specializing in Cellular and the unlicensed 900MHz, 2.4GHz and 5.8GHz radio bands, AvaLAN offers a family of encrypted wireless Ethernet and data communications products. We believe our "Unique Secure Products for a Connected Planet" offer unmatched price-performance values and are proudly engineered, supported and made in the USA and Canada. AvaLAN Wireless Systems, Inc. is headquartered near Huntsville, Alabama and can be contacted at 866-533-6216, by email at info@avalanwireless.com, or by visiting www.avalanwireless.com.