

AvaLAN Launches New and Improved High Speed 300 Mbps Ethernet Solutions

Huntsville, AL., March 25th, 2014 – AvaLAN Wireless Systems, Inc., providers of outdoor long range industrial wireless Ethernet products, announced this week an improved and enhanced 5.8 GHz long range wireless Ethernet solutions. In response to the demand for these high speed 5.8 GHz solutions consistently increasing, AvaLAN made several new enhancements to the product line. These new radios now have a 1 Watt transmit power, include built in lightning arrestors, a pressure release valve and include LEDs to show signal quality, Ethernet link, network activity and power. They are also in a higher quality rugged outdoor enclosure. AvaLAN took this robust and reliable product to the next level.

This product line allows you to build line-of-sight, point-to-multipoint or multipoint-to-multipoint 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 available in both

directional and omnidirectional antenna configurations. Utilizing custom AvaLAN Wireless firmware and multiple-in-multiple-out (MIMO) technology, AvaLAN’s AW58100 and AW58300 series delivers RF data rates up to 300 Mbps. The subscriber unit directional flat panel antenna is a special dual-polarized version designed specifically for multiple spacial streams. The omnidirectional access points provide two outdoor industrial 6 dBi gain antennas. The dual-polarized flat panel antenna radios are also available as a pre-configured matched pair bridge (AW58100HTP-PAIR) for point-to-point fixed connections. These new long range 5.8 GHz wireless Ethernet solutions are designed for applications that require higher RF data rates up to 300 Mbps and are ideally positioned to support IP-based megapixel surveillance cameras.

The new AW58100HTA (access point) 5.8 GHz Outdoor 100 Mbps Wireless Ethernet Radio is now shipping and available with a manufacturer’s suggested retail price of \$799 USD. The new AW58100HTS (subscriber unit) 5.8 GHz Outdoor 100 Mbps Wireless Ethernet Radio is also now shipping and available with a manufacturer’s suggested retail price of \$799 USD. The new AW58100HTP-PAIR (bridge pair) 5.8 GHz Outdoor 100 Mbps Wireless Ethernet Radio is now shipping and available with a manufacturer’s suggested retail price of \$1599 USD. The new AW58300HTA (access point) 5.8 GHz Outdoor 100 Mbps Wireless Ethernet Radio is now shipping and available with a manufacturer’s suggested retail price of \$999 USD. The new AW58300HTS (subscriber unit) 5.8 GHz Outdoor 100 Mbps Wireless Ethernet Radio is also now shipping and available with a manufacturer’s suggested retail price of \$999 USD. The new AW58300HTP-PAIR (bridge pair) 5.8 GHz Outdoor 100 Mbps Wireless Ethernet Radio is now shipping and available with a manufacturer’s suggested retail price of \$1999 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. Specializing in Cellular and the unlicensed [900 MHz](#), [2.4 GHz](#) and [5.8 GHz](#) radio bands, AvaLAN offers a family of encrypted wireless Ethernet and data communications products. AvaLAN has a market leadership position in providing solutions for surveillance video, access control, industrial automation, remote sensing and remote control markets. AvaLAN’s products are engineered to solve difficult wireless challenges for installations that require long range, interference immunity, superior reliability and uncompromising data 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 matches the price-performance value characteristics of AvaLAN’s products. AvaLAN Wireless Systems, Inc. is headquartered in Huntsville, Alabama, with remote offices in California and Canada.