Embedded Technologies Offer Military OEMs Greater Speed and Throughput for Mission-Critical Situations

WASHINGTON, /PRNewswire/ -- FreeWave Technologies, a manufacturer of some of the most reliable, high-performance spread spectrum and licensed radios for critical data applications announced it has expanded its family of MM2 radios with the addition of two high-speed versions: the MM2-HS-T (TTL interface) and MM2-HS-P (Ethernet interface).

The MM2-HS-T and MM2-HS-P add high-speed capability and greater throughput to its MM2-T which offers selectable speeds of 115.2 to 153.6 Kbps. The MM2-HS-T and the MM2-HS-P are capable of an over-the-air speed of 1.23 Mbps allowing users to send significantly more data in a shorter period of time.

The MM2-HS-T is ideal for embedded applications that require high data rates, such as video and long distances in the same mini (2-inch high x 1.4-inch wide) footprint. The MM2-HS-P is slightly larger, but still very compact in size.

"By offering an entire family of MM2 radios, we are giving our customers options to meet their various applications for embedded technology solutions," said Ken Granader, vice president of sales at FreeWave. "We made a high-speed version of the MM2-T because there are many applications within industry, government, and military where it's necessary to transmit large amounts of data, including multiple hi-res images and video along with data."

The entire family of MM2 radios at FreeWave offers a variety of features that cannot be found anywhere else in the market. Key features of the MM2-HS-T and MM2-HS-P include:

* Tiny footprint - the MM2-HS-T offers the same miniature dimensions as the MM2-T (50.8 x 36 x 9.6 millimeters with a weight of 14 grams).

* The MM2-HS-P comes in the compact dimensions of 101 x 51 x 13 millimeters with a weight of 42 grams.

* Unequalled low signal performance - RISC-based signal demodulation with matched filter. Sensitivity is specified and guaranteed.

* Unparalleled signal performance - the GaAs FET RF front end with multi-stage surface-acoustic-wave (SAW) filters has an unmatched combination of overload immunity and sensitivity. Selectivity is specified and guaranteed.

* Industrial grade high-speed Ethernet (only in the MM2 HS-P) - supports TCP, industrial grade wireless security and serial communications, all in one package.

Source URL (retrieved on *04/19/2015 - 5:16pm*):
http://www.wirelessdesignmag.com/product-releases/2009/08/embedded-technologies-offer-military-oems-greater-speed-and-throughput-mission-critical-situations?qt-digital_editions=0