

press information

Ultra Electronics Canada Defence Inc. Tactical Communication Systems Division

Ultra Electronics - Tactical Communication Systems launches **UltraMAX™**, its new family of military-grade **Point-to-Multipoint Broadband radio** communication system.

(Montreal, February 20, 2009) Ultra Electronics Tactical Communication Systems Division (Ultra-TCS) announced today the commercial availability of UltraMAX™, a new family of OFDM Base Stations and Subscriber Stations in response to the growing needs for secure broadband communications for homeland security, paramilitary, civil defense, and public safety applications. UltraMAX™ delivers secure, long range, and high bandwidth Internet Protocol services in Non-Line-Of-Sight (NLOS) and On-The-Move (OTM) conditions also required for several military applications.

“Ultra TCS has nearly 50 years of experience in satisfying the most demanding requirements for reliable high capacity tactical communications in difficult battlefield conditions. We are proud of our heritage and of our legacy of satisfied Customers around the world.” states Iwan Jemczyk, president of Ultra TCS. “It is with great pride that, with UltraMAX™, we now apply our long experience to assist with the security of civilian and military populations, as well as for critical infrastructure.”

UltraMAX™ satisfies the need for secure high capacity communications required for modern border, maritime and public security systems. The ability to operate OTM and in NLOS conditions ensures critical voice, data, and video connectivity to security agents while in motion as well as military mobile command posts.



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The UltraMAX™ system is based on the WiMAX™ 802.16d-2004 protocol and has been modified to include AES256 encryption and advanced TRANSEC techniques for Low Probability of Intercept (LPI). It is available in different operating frequency bands. UltraMAX™ carries full-duplex High Definition video-conferencing over IP while On-The-Move. UltraMAX™ can conservatively span a range of 20 km in a nomadic Point-to-Multipoint configuration. Each UltraMAX™ Base Station sector can support up to 20 subscribers with 1 Mb/s of IP service. Up to 8 Base Station sectors can be deployed per Tactical Node providing for wide area coverage and flexible deployment configurations.

About Ultra Electronics

Ultra Electronics is a group of specialist businesses designing, manufacturing, and supporting electronic and electromechanical systems, sub-systems and products for defense, security and aerospace applications worldwide. Ultra Electronics, which employs 3,500 people in the UK and North America, focuses on high integrity sensing, control, communication and display systems with an emphasis on integrated information technology solutions. The Group also focuses on obtaining a technological edge in niche markets, with many of its products and technologies being market leaders in their field.

About Ultra Electronics – Tactical Communication Systems

Ultra-TCS is one of 26 companies within the Ultra Electronics Group. It has been delivering tactical radios for more nearly 50 years and has fielded more than 30,000 radios over its history, making Ultra-TCS the premier global supplier of high-reliability, re-deployable tactical radios and integrated shelterized communication systems. Through its Telemus subsidiary, Ultra-TCS also manufactures and supplies a suite of Intelligence, Surveillance and Reconnaissance (ISR) systems.

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