



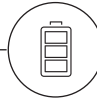
**SECURE AND RELIABLE HANDHELD TACTICAL COMMUNICATIONS SOLUTIONS**



**SMALL SIZE AND MINIMUM WEIGHT OF THE DEVICE**



**RUGGED, OPERATES IN HARSH CONDITIONS**



**UNPRECEDENTED QUALITY OF THE VOICE TRANSMISSION AND LONG OPERATING TIME**



**FLEXIBLE AND CUSTOMIZABLE TO SUPPORT EACH CUSTOMER'S REQUIREMENTS**

## **PERAD 6010** digital personal radio

**With low spectral density, frequency hopping, and built-in encryption algorithms the PERAD 6010 provides a highly effective LPI/LPD solution. Combined with smart power management, the PERAD 6010 sets the standard for ultra-low emission tactical radios.**

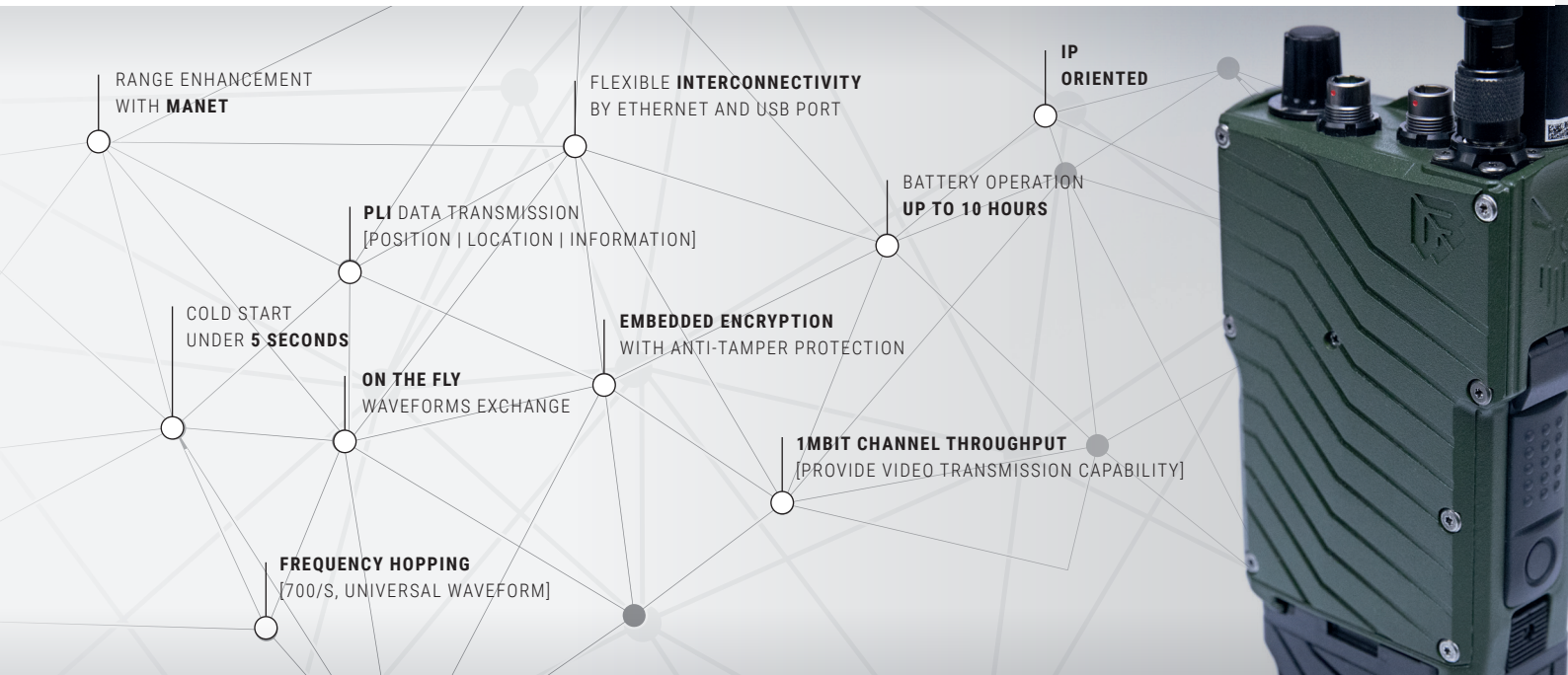
The PERAD 6010 supports a wide range of interoperability standards, allowing commanders to share situational information with coalition partners.

Each radio serves as a network node or a miniature base station supporting other nodes within the interactive network. When mounted on a UAV, end users can be provided with semi-satellite coverage and extended range. As a result, all system elements, including the most remote points of the network, have reliable access to data transmitted within the system, providing the most advanced ICT infrastructure functionalities required whenever the use of the standard networks is not an option.

Full feature multi-user conferencing, straightforward operation, superb ergonomics and reliability make PERAD an out-standing high-performance product for tactical applications. A combination of excellent sensitivity and selectivity, built-in intelligent anti-jamming algorithms and self-configuring MANET network make PERAD a true enabler providing a full range of new interoperability capabilities.

The PERAD radio can be used in multiple configurations to adapt to conditions. Compatible with WB products including the dismounted observation & command AR technology system U-GATE, UAV's and Loitering Munitions

## MAIN FEATURES



## TECHNICAL DATA

Frequency range	UHF band – L-Band		
RF Output power	1 W average		
Sensitivity @ BER < 10e-6	< -102 dBm universal WF	< -82 dBm wideband WF	< -116 dBm narrowband WF
Modulation type	HDR COFDM WF	UHDR COFDM WF	NB COFDM WF
Bandwidth	1.2 MHz	1.2 MHz	75 kHz
Data rate	Up to 1 Mbits/s universal WF	Up to 4 Mbits/s wideband WF	Up to 75 kbits/s narrowband WF
LOS range	Up to 14 km	Up to 10 km with directional antennas	Up to 100 km
GPS	Embedded GPS		
Interface	Headset – Ethernet 10/100BASE-T – USB – Additional Bluetooth		
Operational battery life	Up to 10 hrs		
HUB – Hold Up Battery	12 months – maintaining encryption keys		
Size	7.1" h x 3.1" w x 1.4" d / 223 mm h x 88 mm w x 44 mm d		
Weight	< 2.1 lbs		
Operating Temperature	-33°C to +55°C		
Storage Temperature	-51°C to +71°C		
Immersion	1 m for 2 hours		

[wbgroupamerica.com](http://wbgroupamerica.com)

**WB GROUP**   
AMERICA

WB Group America  
1800 Diagonal Road, Suite 600  
Alexandria, VA 22314  
202-743-2190 (GMT-5)  
[info@wbgroupamerica.com](mailto:info@wbgroupamerica.com)