



WB GROUP 

PERAD 6010
digital personal radio

Secure and reliable handheld tactical communications solutions



Unprecedented quality of the voice transmission and long operating time



Small size and minimum weight of the device



Rugged, operates in harsh conditions



Flexible and customizable to support each customer's requirements



A low power spectral density of the communication signal, frequency hopping and built-in encryption algorithms provide an effective barrier to prevent unauthorized signal detection and capture. Smart solutions reduce power needs and energy saving functions enable days of operation.

The software designed by WB GROUP supports a wide range of interoperability standards, allowing commanders to share situational information with coalition partners.

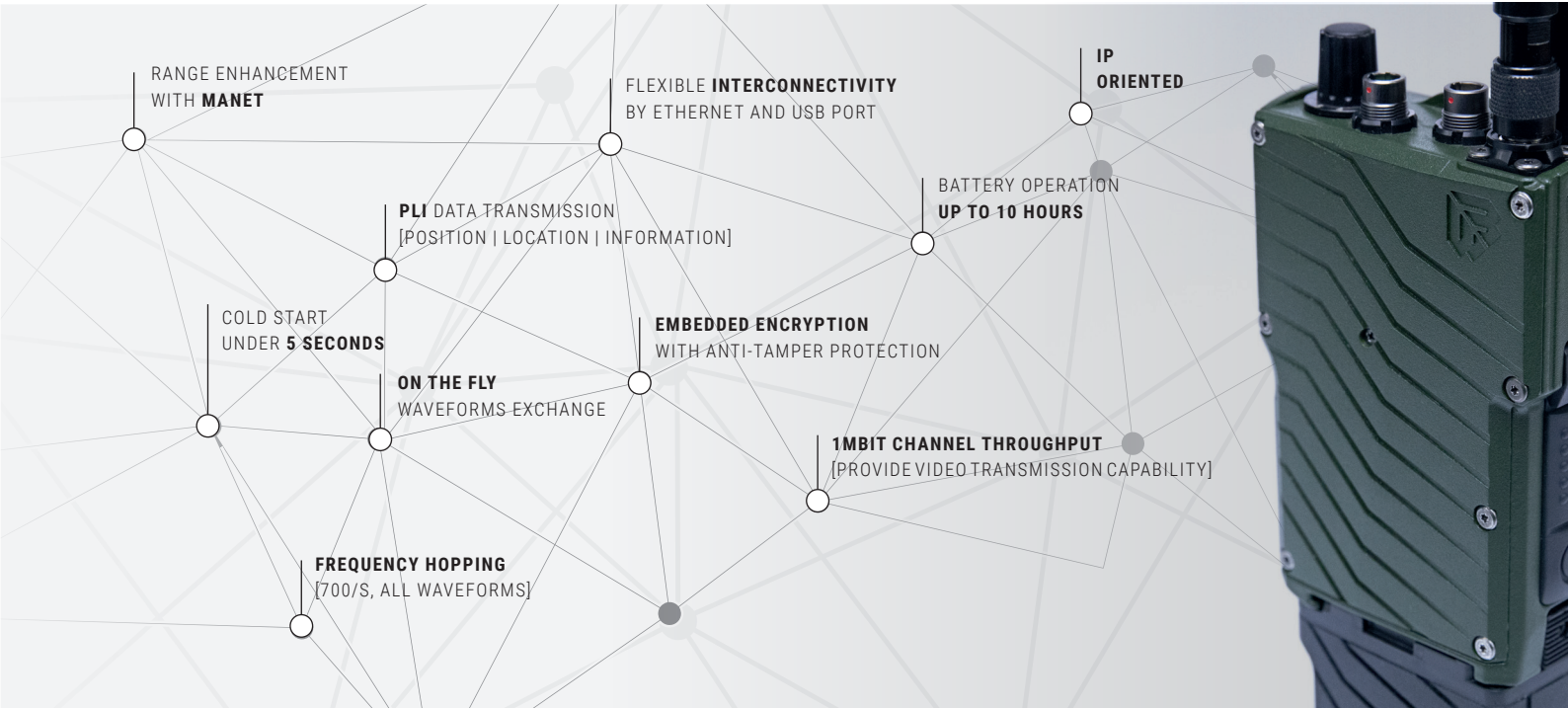


Each radio serves as a network node or a miniature base station supporting other nodes within the interactive network. As a result, all system elements, including the most remote points of the network, have reliable access to data transmitted within the system, providing the most advanced ICT infrastructure 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 outstanding high-performance product for military [and commercial] 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 evolve with battlefield movements and deployments. It is compatible with other WB GROUP's solutions such as the dismounted observation & command AR technology system U-GATE.

MAIN FEATURES



TECHNICAL DATA

Frequency range	UHF band or L-Band
RF Output power	1 W average
Sensitivity	< -102 dBm @ BER < 10e-6
Waveform / Modulation	HDR COFDM Waveform - Bandwidth 1.2 MHz SDR radio
Data rate	Up to 1 Mbit/s
Communication range	Up to 8 km (depending on harshness of the terrain)
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
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





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an offer within the meaning of the Civil Code.

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