G1 PRO Handheld Radio

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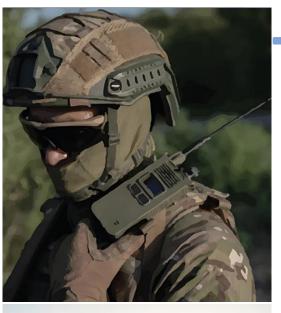
Step into the future of tactical communication with confidence by adopting the HIMERA G1 Pro, where groundbreaking innovation meets battle-tested reliability. Experience firsthand how this cutting-edge device transforms communication capabilities in real-world operations, ensuring mission success and personnel safety across military, law enforcement, and emergency response teams.



The HIMERA G1 Pro represents the pinnacle of advancement in digital handheld radios. Built for the toughest environments—trusted in defense, disaster response, and public safety—the G1 Pro delivers secure, resilient communication whenever it matters most.

The G1 Pro sets a groundbreaking standard in performance, design, and cost efficiency. Its resilience against Radio Frequency (RF) congestion is unparalleled, thanks to cutting-edge, quantum-safe encryption technology and frequency-hopping spread spectrum powered by a high entropy algorithm. The G1 Pro is a cost-effective solution with advanced technical capabilities like frequency-hopping spread spectrum with relay capacity, versatile voice and data transmission abilities, extended transmission ranges, and a sleek, redesigned exterior.

It works seamlessly with the HIMERA ecosystem of networking solutions, enabling reliable coverage and uninterrupted function across the most complex and dynamic environments.





KEY ADVANTAGES

- Built on HIMERA's Commercial of the Shelf (CoTS) platform.
- Designed from the ground up to operate in complex environments.
- Data secured by quantum-safe symmetric encryption using 1024-bit keys.
- Built-in FHSS increases resistance to RF congestion
- Relay capability expands communication range and enables operations in complex terrain.
- Primarily a voice radio, but also supports point to point low data rate transfer
- Equipped with GPS Location information
- Can be programmed via an encrypted app on a phone or a tablet.
- Light and ergonomic design
- Has a wide range of accessories, expanding the system's functionality and making it modular





SIGNAL

3km (Open Terrain) 0.5km (Complex Terrain)

410 - 493 Mhz, 700 -

5 1W

-105dB

990MHz 40 MHz 50 FSK

1 Mbit/s

TECHNICAL SPECIFICATIONS

GENERAL		
Encryption – AES-256, Quantum encryption with QEEP™		Signal Transmission
Frequency-hopping spread spectrum (FHSS)		Range
Integration with Android		Relay Multi-hop
Relay Capability		Transmitter Power
Headset support		Output (TPO)
Push-to-talk button (PTT)		Receiver Sensitivity
Built-in GPS		Frequency Band
Resilient to RF congestion	on	
Transmission of	Voice	FHSS Hops Range
	Data	FHSS Hops/s
	Data	Modulation
	GPS Coordinates	Data Transmission Rate

POWER SUPPLY	
Internal Power	Li-Pol, 4400 mAH
Input Power	5V / 0.8A
Battery Life*	48 Hours

^{*}In 80/10/10 mode (standby/transmission/reception), within -20°C to +50°C / -4°F to+122°F

	PHYSICAL	
Mass		300 g / 10.6 oz
Dimensions	Height	165 mm / 6.49in
without antenna	Width	70 mm / 2.76 in
	Depth	25 mm / 0.98 in

Max relative Humidity of the Environment 95		nment 95%
Sealing		IP67
Operational	84 – 107	kPa / 630 – 800 mm Hg
Pressure		
Temperature	Charging	0 – 30°C / 32 – 86 °F
Range	Operational	-20 – 50°C / -4 – 122°F
	Storage	-30 – 50°C / -22 – 122°F

External PTT button with a U-94 connector		
External USB C + 3.5 mm (mini) jack connector		
Antennae	Omnidirectional	
	Omnidirectional with magnetic mount	
	Omnidirectional with screw mount	

ACCESSORIES

	INTERFACES	
Mobile	BLE 5.0	
Antenna Port	SMA	
Audio / Data / Charge / PT	T M12 8-pin	

Quantropi is the exclusive distributor for HIMERA products in North America and select NATO markets.

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ENVIRONMENTAL