

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



## TECHNICAL SPECIFICATIONS

### GENERAL

Encryption – AES-256, Quantum encryption with QEEP™	
Frequency-hopping spread spectrum (FHSS)	
Integration with Android	
Relay Capability	
Headset support	
Push-to-talk button (PTT)	
Built-in GPS	
Resilient to RF congestion	
Transmission of	Voice
	Data
	GPS Coordinates

### 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

### ENVIRONMENTAL

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

### SIGNAL

Signal Transmission	3km (Open Terrain)
Range	0.5km (Complex Terrain)
Relay Multi-hop	5
Transmitter Power	1W
Output (TPO)	
Receiver Sensitivity	-105dB
Frequency Band	410 – 493 Mhz, 700 – 990MHz
FHSS Hops Range	40 MHz
FHSS Hops/s	50
Modulation	FSK
Data Transmission Rate	1 Mbit/s

### 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

### ACCESSORIES

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

### INTERFACES

Mobile	BLE 5.0
Antenna Port	SMA
Audio / Data / Charge / PTT	M12 8-pin

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

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