

HIMERA

G1 PRO Handheld Radio

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 combat scenarios, ensuring mission success and personnel safety.

The **HIMERA G1 Pro** represents the pinnacle of advancement in digital handheld radios specifically tailored for global defense forces. Leveraging the proven success of its predecessor, the **G1 Pro** sets a groundbreaking standard in performance, design, and cost efficiency. The radio's resilience against electronic warfare interference is unparalleled thanks to cutting-edge, post-**quantum encryption technology** (QEEP™).

The **G1 Pro** is a low-cost 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.



KEY ADVANTAGES

- Designed from the ground up to operate in complex electronic warfare environments.
- Built-in FHSS increases resistance against jamming and interception.
- Relay capability expands communication range and enables operations in complex terrain.
- Supports the transmission of several types of information, including voice data, GPS coordinates, and text messages.
- Equipped with Blue Force Tracking capability using offline maps.
- Can be programmed via an encrypted app on a phone or a tablet.
- Supports integration with situational awareness systems for real-time command & control
- Battle-proven light and ergonomic design based on active frontline feedback ensures relevance and reliability.
- Has a wide range of accessories, expanding the system's functionality and making it modular.

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GI PRO Handheld Radio

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	
Low Probability of Detection and Interception	
Transmission of:	Voice
	Data
	GPS Coordinates

POWER SUPPLY

Internal Power	Li-Pol, 4400 mA·h
Input Power	5V / 0.8 A
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	5V / 0.8 A
Operational Pressure	84 - 107 kPa / 630 - 800 mmHg
Temperature Range	Charging 0 °C to +30 °C / +32 °F to +86 °F
	Operational -20 °C to +50 °C / -4 °F to +122 °F
	Storage -30 °C to +50 °C / -22 °F to +122 °F

SIGNAL

Signal Transmission	Open Terrain	3km
Range	Complex Terrain	0.5km
Relay Multi-hop		5
Transmitter Power Output (TPO)		0.2 W - 2 W
Receiver Sensitivity		-105 dB
Frequency Band	410 - 493 MHz, 700 - 990 MHz	
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 / 6.49 in
<i>without antenna</i>	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