



Phoenix 100 Portable Communications Gateway

Reliable Communication, Anytime, Anywhere

Introducing the **Phoenix 100** – the ultimate field communications hub designed to provide secure and reliable voice and data communications in the most remote and challenging environments. Whether you're tracking assets in remote locations or ensuring seamless communications for your team in the field, the Phoenix 100 is your all-in-one solution.

Why Choose the Phoenix 100?

1. Global Connectivity

The Phoenix 100 offers unmatched connectivity options, combining **4G/5G LTE**, **BGAN satellite**, and **WiFi**. No matter where you are in the world, the Phoenix 100 automatically selects the most reliable and cost-effective network, ensuring you're always connected when it counts.

2. Multi-Network Failover

When every second matters, the Phoenix 100 delivers. Its **automatic failover** feature ensures continuous communication by seamlessly switching between networks – from satellite to cellular to local WiFi – so you never experience downtime.

3. Superior Durability

Built to survive the toughest conditions, the Phoenix 100 is **watertight, crushproof, and dustproof**. Designed for field operations, it's ready for any environment, from extreme heat to freezing cold, making it the perfect companion for military, government, or emergency operations.

4. Voice and Data Simultaneously

The Phoenix 100 allows for **up to 25 simultaneous voice calls** and provides high-speed data capabilities, making it ideal for coordinating teams, managing remote operations, or maintaining secure communication lines.

How Does It Compare?

The Phoenix 100 stands head and shoulders above the competition when it comes to price and versatility. Other solutions, such as the **Kymeta U8** and **Thuraya IP+**, may offer advanced

satellite or niche functionality, but the Phoenix 100 provides **the best balance of performance, portability, and cost-effectiveness.**

Feature	Phoenix 100	Kymeta U8	Thuraya IP+
Connectivity	4G/5G LTE, BGAN Satellite, WiFi	Satellite, 4G/5G LTE	Satellite Broadband
Simultaneous Voice Calls	Up to 25 via 4G/5G, Up to 5 via Satellite	N/A (Data-only focused)	N/A (Data-only focused)
Automatic Failover	Yes (Satellite, 4G/5G, WiFi)	Limited (Satellite and LTE, no WiFi)	No (Satellite only)
Portability	Lightweight (<18 lbs), Portable	Bulkier, best for in-motion platforms	Portable, lightweight
Ruggedness	Watertight, Crushproof, Dustproof (IP56)	Rugged, built for mobile platforms	Rugged, but less durable than Phoenix 100
Power Options	AC/DC, Solar-ready, 12-14 hours battery	AC/DC, solar-compatible	AC/DC
Setup Time	Less than 10 minutes	Moderate (more complex setup)	Quick setup
Multi-Network Support	Yes (Satellite, Cellular, WiFi)	Satellite + LTE (no WiFi support)	Satellite only
Use Case Flexibility	Asset tracking, Voice/Data communications	Best for in-motion satellite data applications	Satellite broadband in remote locations
Best For	Military, Government, Emergency Services	Large-scale mobile platforms (e.g., vehicles)	Remote internet access for data use
Price Advantage	Best Price for Features Offered	Significantly higher cost	Lower cost, but fewer capabilities

Phoenix 100: Best Value, Superior Capabilities

When comparing price, the **Phoenix 100** offers **the best value on the market.** No other portable communications gateway combines this level of ruggedness, multi-network connectivity, and ease of use. Whether you need secure communications, asset tracking, or reliable connectivity in remote locations, the Phoenix 100 is the smart choice for any operation.

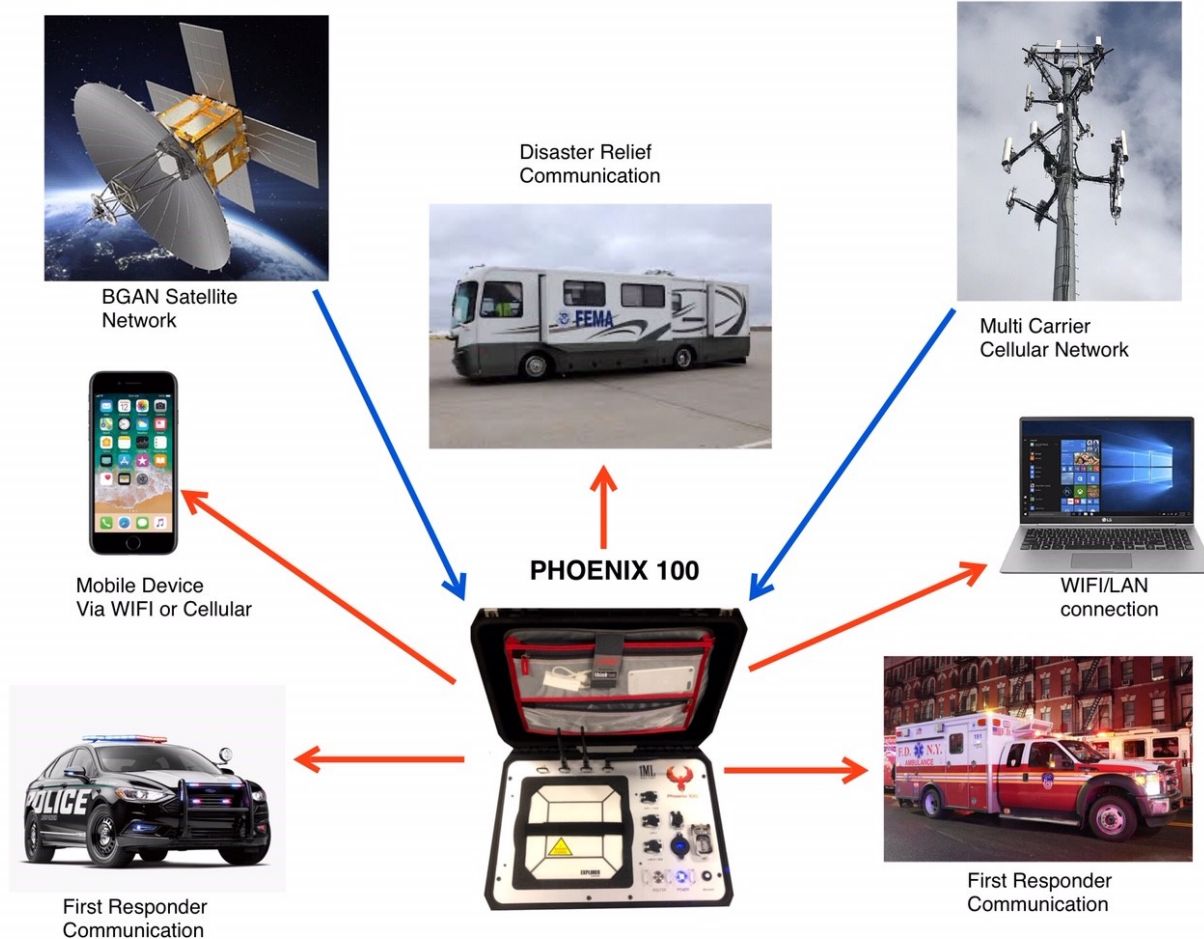
Ready to Equip Your Team with the Best Portable Communications Gateway?

Contact us today to learn more about the Phoenix 100 and how it can elevate your field communications to the next level. Alex Solomon asolomon@soltech.llc 602 550 7917

Phoenix 100

Field Communications Router

Reliable Communication, Anytime, Anywhere



Phoenix 100

The Phoenix 100 Field Communications hub provides voice and data communications, anywhere in the world, automatically choosing the least---cost route, getting you on-line when it counts most. The Phoenix 100 connects via 4G/5G LTE, BGAN Satellite, and WiFi. The Phoenix 100 is man-portable, under 18 lbs. and can be operational in less than 10 minutes with minimal training.

A dual 4G/5G SIM, depending on the local service provider, allows for up to 25 simultaneous calls.

The Phoenix 100 Field Communications hub provides a best-in-class WiFi access point using diversity reception and legal-limit power to provide the greatest range possible. The unit actively adjusts network settings in real time in order to optimize WiFi range.

Interfaces:

- 100baseT WAN port
- 100baseT LAN port
- 2x SIM for 4G/5G cellular
- Diversity 802.11 b/g/n WiFi 30dBm (limited by country regulations)
- BGAN satellite terminal
- Weather-resistant power connection

Voice Capabilities:

- Up to 5 simultaneous, active voice conversations to POTS using BGAN
- Up to 25 simultaneous, active voice conversations to POTS using 4G/5G, or local WAN
- Up to 50 simultaneous, active voice conversations between Phantom units

Temperature:

- Operational
- -20C – +40C (non-condensing)
- Dust and Water rating: IP 56 (TBC)

Power:

- AC adaptor: 120/240V in, 15V 3A out
- DC in: 25.2V DC, 1.5 A max
- Built-in Battery 6 hour charge, 12-14 hour runtime.
- On-screen, real-time battery status update
- IPV6 enabled and ready
- Solar Power ready

Case Features:

- Watertight, crushproof and dust proof construction
- Double Throw latch system
- O-ring seal
- Rubber Over-Molded Handle
- Automatic Pressure Equalization Valve
- Stainless Steel hardware and padlock protectors
- Unconditional Lifetime Guarantee
- EMF Shielded

Specifications:

- 16.00" x 13.00" x 6.87", 18 LBS
- Windows compatible, embedded operating system
- Automatic, policy-based WAN switching allows failover/fallback to 4G / Satellite / local as needed
- Automatic failover across geographically remote servers
- Transparent gateway for VPN and Crypto systems
- Supports from 5 to 20 simultaneous voice lines depending on available WAN Bandwidth



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