

Phoenix Features and Benefits:

Comprehensive Solution:

Covers aerial and ground units for seamless connectivity.

Modulation:

Supports GMSK and OFDM modulations for flexible communication.

Secure Encryption:

Offers AES256 and CAT TSV encryption options, ensuring robust data security.

Compact & Lightweight:

Small size and weight for easy integration.

Wide Frequency Range:

Supports C-band for versatile communication.

Topology:

Supports P2P, P2MP, Relay, and Multi-Domain Topology.

Operational Mode with GPS

Deprivation:

Capable of functioning without GPS, enhancing operational flexibility.

Versatile Range:

Facilitates short, medium, and long-distance communication up to 150 km.

PHOENIX

The Phoenix comprises several platforms, offering connectivity over long distances of up to 150 km. This versatile range ensures that Phoenix can meet the needs of diverse aerial, ground, and naval platforms.

Additionally, Phoenix provides resilient communication by integrating full-duplex wideband digital links with advanced algorithms, ensuring reliability, high performance, and data security in any environment.

Engineered with SWaP constraints in mind, Phoenix seamlessly integrates into any platform.

Field-Proven Reliability:

With thousands of flight hours, Phoenix boasts a military-proven track record for dependable performance



ADT



Parameter	Value
Transmission Power	33dBm
Modulation - GMSK/OFDM	✓
Frequency	4GHz-5.5GHz
Data Rate	Up to 8Mbps
COMSEC - AES256 encryption	✓
TRANSEC - Frequency Hopping 250 Hops/sec	✓
Interference Avoidance	✓
Topology - PtP,PtMP,Relay	✓
Video Encoder - H.264	✓
Interfaces - Ethernet, SERIAL	✓
Power Consumption	30W
Weight	≤380gr (Without Heatsink)
Dimensions	11.6 X 8.6 X 3 CM
Distance, based on GDT	Up to 150Km



Short Range



Medium Range



Long Range

Parameter	Value		
	Short Range	Medium Range	Long Range
Transmission Power	33dBm	33dBm	33dBm
Modulation - GMSK/OFDM	✓	✓	✓
Frequency	4GHz-5.5GHz	4GHz-5.5GHz	4.4GHz-5.1GHz
Data Rate	Up to 8Mbps	Up to 8Mbps	Up to 8Mbps
COMSEC - AES256 encryption	✓	✓	✓
TRANSEC - Frequency Hopping 250 Hops/sec	✓	✓	✓
Antenna Gain	Omni - 2dBi	Omni- 2dBi Planar - 25dBi	Omni - 2dBi Dish - 30dBi
Tracking Unit	✗	2AXIS	2AXIS
Interfaces - Ethernet, SERIAL	✓	✓	✓
Weight	10Kg	30Kg	32Kg
Distance	Up to 10Km	Up to 100Km	Up to 150Km