

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.

Wide Frequency Range:

Supports L, S, and C bands 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.

PHOENIX FAMILY

The Phoenix family comprises several platforms, catering to a wide range of sizes from small to large, and offering connectivity over long distances of up to 250 km. This versatile range ensures that Phoenix can meet the needs of diverse aerial, ground, and naval platforms. Additionally, Phoenix provides a 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.



MICRO PHOENIX

Parameter	Value		
	SR-S	MR-S	LR-S
Transmission Power 27dBm	✓	✓	✓
Modulation - GMSK/OFDM	✓	✓	✓
S-band Frequency			
1.4GHz-2.1GHz	✓	✓	✓
2.1GHz- 2.7GHz			
Data Rate - Up to 8Mbps	✓	✓	✓
COMSEC - AES256 encryption	✓	✓	✓
TRANSEC - Frequency Hopping 250 Hops/sec	✓	✓	✓
Interference Avoidance	✓	✓	✓
Topology - PtP,PtMP,Relay	✓	✓	✓
Tracking Unit	✗	1AXIS	2AXIS
Weight			
ADT Weight ≤180 g	GDT Weight ≤ 3Kg	GDT Weight ≤ 7Kg	GDT Weight ≤ 32Kg
Antenna Gain	Omni 4dBi	Omni 4dBi , Planar 16dBi	Omni 2dBi , Dish 27dBi
Distance	10Km	40Km	120Km

PHOENIX



Parameter	Value		
	SR-C	MR-C	LR-C150
Transmission Power 33dBm	✓	✓	✓
Modulation - GMSK/OFDM	✓	✓	✓
C-band Frequency 4.4GHz-5.1GHz	✓	✓	✓
Data Rate - Up to 8Mbps	✓	✓	✓
COMSEC - AES256 encryption	✓	✓	✓
TRANSEC - Frequency Hopping 250 Hops/sec	✓	✓	✓
Interference Avoidance	✓	✓	✓
Topology - PtP,PtMP,Relay	✓	✓	✓
Video Encoder - H.264	✓	✓	✓
Tracking Unit	✗	2AXIS	2AXIS
Weight ADT Weight ≤380 g	GDT Weight ≤ 7Kg	GDT Weight ≤ 30Kg	GDT Weight ≤ 32Kg
Antenna Gain	Omni 2dBi	Omni 2dBi , Planar 25dBi	Omni 2dBi , Dish 30dBi
Distance	10Km	100Km	150Km

MAXI PHOENIX

Parameter	Value	
	LR-C250	
Transmission Power 43dBm	✓	
Modulation - GMSK/OFDM	✓	
C-band Frequency 4.4GHz-5.1GHz	✓	
Data Rate - Up to 8Mbps	✓	
COMSEC - AES256 encryption	✓	
TRANSEC - Frequency Hopping 250 Hops/sec	✓	
Interference Avoidance	✓	
Topology - PtP,PtMP,Relay	✓	
Video Encoder - H.264	✓	
Tracking Unit	2AXIS	
Weight ADT Weight ≤2.1Kg	GDT Weight ≤ 60Kg	
Antenna Gain	Omni 2dBi , Dish 30dBi	
Distance	250Km	

