

Features and Benefits:

Modulation:

Supports GMSK and OFDM modulations for flexible communication

Topology:

Supports P2P, P2MP, Relay, FNET and MESH*.

Secure Encryption:

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

Operational Mode with GPS Deprivation:

Capable of functioning without GPS, enhancing operational flexibility.

Compact & Lightweight: Small size and weight for easy integration.

PHOENIX - MAXI

Where Mobility Meets Connectivity

Maxi Phoenix is the long-range solution of the Phoenix portfolio, engineered to deliver secure and reliable communication over distances of more than 200 km.

Designed for versatility, it supports a broad spectrum of aerial, ground, and naval platforms - from compact systems to large-scale deployments.

By leveraging full-duplex wideband digital links and advanced algorithms, Maxi Phoenix provides resilient, highthroughput communications with exceptional reliability and data security.

Optimized for SWaP, it ensures seamless integration into any platform without compromising performance.



Tech Specifications

Parameter	Value
	Maxi Phoenix
Transmission Power	Up to 10W
Modulation	GMSK/OFDM
Frequency	S band
Data Rate	Up to 8Mbps
COMSEC	AES256 encryption
TRANSEC	Frequency Hopping 300 Hops/sec Sense & Avoid
Interference Avoidance	V
Topology	PTP, PTMP, RELAY *MESH * MESH- Subject to Export License
Interfaces	ETH , RS232
Heatsink	Optional
Weight	~450 gr - w.o heatsink
Dimensions	~ 96x140x27mm - w.o heatsink
Distance	200km +



MAXI Phoenix

Parameter	Value
	LR-C200
Transmission Power 40dBm	✓
Modulation - GMSK/OFDM	✓
S-band 2.2 - 2.7GHz	✓
Data Rate - Up to 8Mbps	✓
COMSEC - AES256 encryption	✓
TRANSEC - Frequency Hopping 300 Hops/sec	✓
Sense & Avoid	✓
Interference Avoidance	✓
Topology - PtP,PtMP,Relay *Mesh - Subject to Export License	✓
Tracking Unit	2AXIS
Weight ADT - 450 gr - w.o heatsink	GDT Weight ≤ 60Kg
Antenna Gain	Omni 2dBi , Dish 27dBi
Distance	200km +