

Features and Benefits:

Secure, Reliable and Resilient Data Links

Comprehensive Solution:

Covers aerial and ground units for seamless connectivity.

Wide Frequency Range:

Supports L, S and C Band for versatile communication.

Modulation:

Supports GMSK/OFDM modulations for flexible communication.

Topology:

Supports P2P, P2MP, Relay, and Multi-Platform Smart MESH

Secure Encryption:

Offers AES256 encryption and an option for CAT & TSV security, to ensuring robust data security.

Anti-Jamming and GPS-

Compromised Capabilities:

Ensuring resilience in contested and challenging environments.

Operational Mode with GPS Deprivation:

Capable of functioning without GPS, enhancing operational flexibility.

Compact & Lightweight:

Small size and weight for easy integration.

Field-Proven Reliability:

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

MICRO PHOENIX

The Micro Phoenix comprises several platforms, catering to a wide range of sizes from small to large, and offering connectivity over long distances of up to 150 km. This versatile range ensures that Micro Phoenix can meet the needs of diverse aerial, ground, and naval platforms. Additionally, Micro 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, Micro Phoenix seamlessly integrates into any platform.



ADT

Parameter	Value
Transmission Power	L band - Up to 30dBm ;1W S band - Up to 30dBm ;1W C band - Up to 27dBm ;0.5W
Sensitivity	-101dBm@GMSK
Modulation	GMSK/OFDM
Frequency	L band: 1.4GHz-2.1GHz S band: 2.1GHz-2.7GHz C band: 4.4GHz - 5.1GHz
Data Rate	Up to 8Mbps
COMSEC	AES256 encryption
TRANSEC	Frequency Hopping Channel Evasion Spectral Efficiency DSSS
Antenna Diversity	2 Antenna Ports
Topology	PTP,PTMP,RELAY,MESH* *MESH - Subject to Export License
Interfaces	ETH , RS232
Heatsink	Optional
Weight	110gr
Dimensions	85x55x15mm



GDT SR

Parameter	Value		
	SR-L	SR-S	SR-C
Transmission Power	Up to 30dBm ;1W	Up to 30dBm ;1W	Up to 27dBm ;0.5W
Frequency	1.4GHz-2.1GHz	2.1GHz-2.7GHz	4.4GHz-5.1GHz
Sensitivity	-101dBm	-101dBm	-101dBm
Antenna Gain	2dBi	2dBi	2dBi
Interfaces	Ethernet + RS232	Ethernet + RS232	Ethernet + RS232
Weight	1.2Kg	1.2Kg	1.2Kg
Distance	Up to 14Km	Up to 12Km	Up to 7Km



GDT MR

Parameter	Value		
	MR-L	MR-S	MR-C
Transmission Power	Up to 30dBm ;1W	Up to 30dBm ;1W	Up to 27dBm ;0.5W
Frequency	1.4GHz-2.1GHz	2.1GHz-2.7GHz	4.4GHz-5.1GHz
Sensitivity	-101dBm	-101dBm	-101dBm
Antenna Gain	15dBi	15dBi	21dBi
Interfaces	Ethernet + RS232	Ethernet + RS232	Ethernet + RS232
Tracking Unit	1AXIS	1AXIS	1AXIS
Tracking Mode	Manual ,GPS ,RSSI	Manual ,GPS ,RSSI	Manual ,GPS ,RSSI
Weight	4.8Kg	4.8Kg	7.2Kg
Distance	Up to 65Km	Up to 55Km	Up to 45Km



GDT LR

Parameter	Value		
	LR-L	LR-S	LR-C
Transmission Power	Up to 30dBm ;1W	Up to 30dBm ;1W	Up to 27dBm ;0.5W
Frequency	1.4GHz-2.1GHz	2.1GHz-2.7GHz	4.4GHz-5.1GHz
Sensitivity	-101dBm	-101dBm	-101dBm
Antenna Gain	25dBi	26dBi	30dBi
Interfaces	Ethernet + RS232	Ethernet + RS232	Ethernet + RS232
Tracking Unit	2AXIS	2AXIS	2AXIS
Tracking Mode	Manual ,GPS ,RSSI	Manual ,GPS ,RSSI	Manual ,GPS ,RSSI
Weight	35Kg	35Kg	35Kg
Distance	Up to 150Km	Up to 140Km	Up to 100Km