

PHOENIX

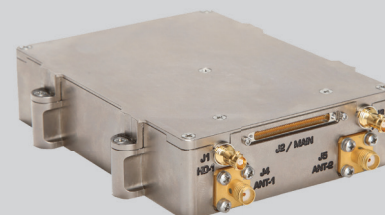
MEDIUM | LONG RANGE

Phoenix is a family of real-time broadband data link solutions that easily integrate with various aerial, ground and naval platforms. Optimized for varying link ranges all the way up to 250 km, Phoenix multi-platform solutions ensure critical mission continuity even under the most challenging operational scenarios.

Phoenix solutions employ advanced error correction techniques and algorithms to enable reliable and robust full-duplex wideband communications

General Link Parameters	
Parameter	Value
Modulation	GMSK / OFDM BPSK / QPSK
Frequency Range	C-BAND SYSTEM: 4GHZ - 5.9GHZ , 6.8GHZ - 8GHZ
Data Rate	Up to 16 Mbps
Channel Type	Full-Duplex
COMSEC	AES256
TRANSEC	Frequency Hopping : 250 Hops per sec
Modes of Operation	P2P, P2MP, Relay
Antenna Configuration	2X2 MIMO

ADT



Parameter	Value	
	Medium Range	Long Range
Transmission Power	2 ports of: 33dBm±1dBm@C-Band	2 ports of: 43dBm±1dBm@C
Video Encoder H.264	V	V
Input Power 9-54 VDC, 28 VDC Nominal	V	V
Power Consumption	Nominal 30W	Nominal 160W
Weight	600 g (300 g without heatsink and encoder)	1.8 Kg (900 g without heatsink and encoder)



For more information,
please scan the code

PHOENIX

MEDIUM | LONG RANGE

GDT

Phoenix Ground Station Tactical Unit - Medium Range



Parameter	Value
Transmission Power	33dBm±1dBm
Distance	UP TO 75 KM
Antenna Gain	2dBi Omni Antenna 21dBi Planar Antenna
Input Power	18-30 VDC
Power Consumption	Nominal 150 W
Ethernet Data Interfaces	10/100Base-T
UART Interfaces	RS-232, RS-422
Weight	10.5 KG

Phoenix MINI GDT

Long Range Tactical Station



Parameter	Value
Transmission Power	33dBm±1dBm
Distance	Up To 150 Km Can be extended up to 250 Km
Antenna Gain	2dBi Omni Antenna 30dBi Dish Antenna
Input Power	18-30 VDC
Power Consumption	Nominal 150 W
Ethernet Data Interfaces	10/100Base-T
UART Interfaces	RS-232, RS-422
Weight	32 KG



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