

MDLS Features and Benefits:

Comprehensive Solution:

Covers Aerial and Ground units for seamless connectivity.

Secure Encryption:

AES256 and frequency hopping ensure data security.

Versatile Range:

Facilitates Short, Medium, and Long-distance communication up to 150km.

Wide Frequency Range:

Supports L and S bands for versatile communication.

Compact & Lightweight:

Small size and weight for easy integration.

Field - Proven Reliability:

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



MDLS FAMILY

Micro Data Link System

The MDLS system introduces advanced data connectivity solutions for small-sized platforms. Integrating full-duplex wideband digital links with advanced algorithms, MDLS ensures reliability, high performance, and data security in any environment. Engineered with SWaP constraints in mind, MDLS offers compact solutions without compromising efficiency, making it the ideal choice for mission-critical operations.



ADT

Parameter	Value	
	Micro Link	Mini Micro Link
Transmission Power - 30dBm ;1W	✓	✓
Modulation - GMSK	✓	✓
Frequency - 2.1GHz-2.4 GHz	✓	✓
Data Rate - Up to 8Mbps	✓	✓
COMSEC - AES256 encryption	✓	✓
TRANSEC - Frequency Hopping 250 Hops/sec	✓	✓
Interference Avoidance	✓	✓
Topology	PTP,PTMP	PTP,PTMP,Relay*
Video Encoder - H.264	✓	✗
Interfaces - Ethernet, SERIAL	✓	✓
Input Power - 9V-18V, 12Vdc Nominal	✓	✓
Power Consumption	13W	10W
Heatsink	✓	✗
Weight	180g	100g
Dimensions	7.9 X 6.3 X 4.6 CM	7.1 X 6.3 X 2.4 CM
Distance - Up to 150Km, based on GDT	✓	✓



Short Range



Medium Range



Long Range

Parameter	Value		
	Short Range	Medium Range	Long Range
Transmission Power - 30dBm	✓	✓	✓
Modulation - GMSK	✓	✓	✓
Frequency - 2.1GHz-2.4GHz	✓	✓	✓
Data Rate - Up to 8Mbps	✓	✓	✓
COMSEC - AES256 encryption	✓	✓	✓
TRANSEC - Frequency Hopping 250 Hops/sec	✓	✓	✓
Antenna Gain	Omni - 4dBi	Omni - 4dBi , Planar - 16dBi	Omni - 2dBi , Dish - 27dBi
Input Power	12V - 36V , 28Vdc Nominal	12V - 36V , 28Vdc Nominal	18V - 36V , 28Vdc Nominal
Power Consumption	8W	15W	150W
Tracking Unit	✗	1AXIS	2AXIS
Interfaces - Ethernet, SERIAL	✓	✓	✓
Weight	1.2Kg	4.6Kg	32Kg
Distance	Up to 15Km	Up to 45Km	Up to 150Km