

HAWKEYE™ 4 LITE

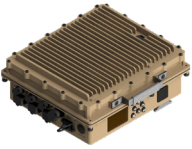
1.3 Meter Flyaway VSAT

ANTENNA		
Aperture	1.3 M parabolic	
Optics	Center fed	
Acquisition	Manual	Auto acquire
Elevation	5° to +90°	5° to +90°
Azimuth	±90°	±120
LEO/MEO Capable	N/A	Yes

PACKED SYSTEM WEIGHT (950MP W/AC ONLY SUPPLY)	
Weight	Two cases, <84 lbs each
Dimensions	All cases: <70 linear in

RF PERFORMANCE			
RF BAND	X	Ku	Ka
Transmit (GHz)	7.90-8.40	13.75-14.50	29.0-31.0
Receive (GHz)	7.25-7.75	10.95-12.75 Universal LNB	19.2-21.2 Universal LNB
Polarization	Circular	Linear	Circular
G/T	16.7 dB/K	20.5 dB/K	21.8 dB/K
EIRP	54.7 dBW	58.2 dBW	59.9 dBW

MODEM INTEGRATION	
Supported Modems	iDirect 950mp (Evolution® and Velocity®) ViaSat® CBM-400 (Linkway and EBEM) L3Harris MPM-2500 (NCW) External modem
Future Modems	iDirect 450 mp Comtech® 5650C L3Harris Protected Anti-Jam Tactical Satcom (PATS)

COMMON CONTROLLER		
Internal High Stability OCXO	Included	 <p>Common Controller and Modem Module</p>
Beacon Receiver	Included	
Gatekeeper (optional)	Gatekeeper w/ embedded spectral display capability (via ViewSAT-e)	
Wi-Fi® (optional)	802.11a/b/g/n (20 Mbps device to modem throughput)	



The Hawkeye 4 Lite (H4L) is the next generation of the widely-fielded L3Harris Hawkeye family. Lighter in weight with enhanced modularity, the H4L VSAT features a carbon fiber 1.3 M segmented antenna supporting high-speed data and voice for Internet, VPN and video transmission. The antenna is available with auto acquire or manual pointing capabilities and X, Ku and Ka bands.

This easily-transportable solution supports quick, in-field modem changes and easy upgrades to new modem technologies, including anti-jam protection. The H4L features the industry-leading Viewsat-E GUI and GATEKEEPER™ interference excision technology.

INTERFACE	
LAN Ports	3x Gigabit RJ-45
GPS	(Internal) GPS receiver/antenna (Optional external) NMEA 0183, NMEA 2000
Receive Monitor	L-band receive monitor port
External Modem	L-band interfaces
User Interface	Remote ViewSAT-e GUI and local color LCD and keypad

POWER		
	AC Supply	Enhanced Feature
AC Input	90-264 VAC, 47 ~ 63 Hz (auto ranging)	90-264 VAC, 47 ~ 63 Hz (auto ranging)
DC Input	N/A	18-36 VDC
Battery Operation	N/A	Requires 3x BB-2590 high capacity (288 WH) batteries
Note: AC or DC input required during auto acquisition process. Battery operation not supported.		
Battery Run Time (minimum)	N/A	15-minute run time on 3x high capacity (288 WH) BB-2590 batteries
Battery Charging	N/A	Capable of slow charging up to 3 BB-2590 batteries when AC or DC input is present
UPS	N/A	Uninterpretable power fail-over to connected battery input when AC and DC input power fails

* Power requirements can vary depending on specific configuration

ENVIRONMENTAL (PLANNED)	
Vibration	MIL-STD-810H, Method 514.8, Categories 5, and 7 through 11 (packed for transit configuration), Cat 5 is Procedure II Truck/trailer/tracked environment, Cat 7, 8, 9 and 11 use Procedure I, Cat 10 use Procedure II
Humidity	MIL-STD-810H, Method 507.6, Procedure II 10 day aggravated (packed for transit and operating configurations)
Salt/Fog	MIL-STD-810H, Method 509.7 (packed for transit and deployed configurations)
Sand and Dust	MIL-STD-810H, Method 510.7, Procedures I and II (packed for transit and operating configurations), two runs – both ambient and High Temp
Shock	MIL-STD-810H, Method 516.8, Procedures II and IV (packed for transit)

ENVIRONMENTAL (PLANNED)	
Rain	MIL-STD-810H, Method 506.6, Procedure 1 (packed for transit and operating configuration)
High Temperature	MIL-STD-810H, Method 501.7, Procedure I (packed for transit) and Procedure II (operating configuration) [55°C operational/71°C storage]
Low Temperature	MIL-STD-810H, Method 502.7, Procedure I (packed for transit) and Procedure II (operating configuration) [-32°C operational/-46°C storage]
Wind	25 MPH without anchors 30 MPH, gusting to 45 MPH with anchors
Solar Radiation	MIL-STD-810H, Method 505.7, Procedure I (operating configuration) [50°C operational]
Low Pressure (Altitude)	MIL-STD-810H, Method 500.6, Procedure I (packed for transit), Procedure II (operating configuration) 15,000 ft.

Notes: (1) High temperature is defined without a solar load. Operational temperature is de-rated for solar radiation. (2) Product low temperature range to be de-rated to comply with modem manufactures low operating temperature specifications, where applicable.

CERTIFICATIONS	
Delta 8 (ARSTRAT)	X-Band Ka-Band
Intelsat Flex	Ku-Band
Inmarsat Global Xpress	Ka-Band Category 1 and Category 4
ViaSat	CBM-400 embedment certification
CE	EN62368, EN301428, EN301489, and RoHS

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