

## HAWKEYE™ 4 LITE

The next-generation Hawkeye: Modular tri-band fly way capable of supporting today's mission and the next

The L3Harris Hawkeye 4 Lite (H4L) is robust and modular, supporting high-throughput operations with multi-orbit, multi-constellation resiliency. Embedded SDM options supporting TRANSEC with MEO, GEO, HEO and resilient capabilities.

**Multiband:** X, Ku, Ka. Field swappable in <5 minutes with no tools.

**Multi-Orbit:** MEO, GEO and HEO.

**Multi-Modem:** Exclusively through L3Harris, the Comtech 5650C2/MP delivers MEO, GEO, HEO capabilities in a single modem module. The 5650C2/MP also delivers WGS interoperability (certification underway) and a Direct Sequence Spread Spectrum (DSSS) waveform for LPI/LPD resiliency.

In addition, the H4L has integrated modem options featuring iDirect, Viasat and L3Harris modems. External modems are also supported.

**Multi-Constellation:** The H4L is certified for use on multiple networks, including Wideband Global Satcom (WGS), Viasat GlobalXpress, Intelsat FlexGovSecure, XTAR, SES mPOWER\* and Viasat GX10-A/B HEO\*.

### SIMPLE, INTUITIVE, FLEXIBLE



**Modem Module**  
5650C2/MP shown



**Tactical Fiber Module (Option)**  
Remote M&C and user data up to 1,500 m



**Common Controller**  
Local control or via ViewSAT-E GUI

### MODULAR POINTING AND TRACKING

- > **Manual Point (Base Model):** for GEO
- > **Auto Acquire Kit (AAK) (Option):** enables automatic pointing and tracking
- > **Multi-Orbit Kit (Option):** Orchestrates dual terminals to achieve make-before-break (MBB) handovers on non-geostationary satellites (NGSO)



Multi-Orbit Kit Shown with AAK



### SIMPLE AND INTUITIVE

- > Box-to-bird in <10 minutes
- > Change bands in the field in <5 minutes
- > Toolless design
- > Locally deploy or use the ViewSAT-E GUI

### RESILIENT

- > MIL-STD-461 EMI/EMC
- > DSSS with Comtech 5650C2/MP modem
- > Gatekeeper (option) for signal interference mitigation and excision

### OPTIONAL FEATURES

- > **Auto Acquire Kit:** accelerate link acquisition and track NGSO satellites
- > **Multi-Orbit Kit:** MBB handovers
- > **Fiber Module:** remotely use terminal up to 1,500 meters away
- > **Battery Pack:** avoid power disruptions with a tactical battery pack, capable of powering the terminal for 15 minutes
- > Gatekeeper

ANTENNA	
Aperture	1.3 m parabolic
Optics	Center fed
Orbits	MEO, GEO, HEO
Acquisition	Manual or auto acquire/track
Elevation	5° to +90°
Azimuth	±90° (±120° with auto acquire)

INTERFACE	
LAN Ports	4x Gigabit RJ-45
GPS	(Internal) GPS receiver/antenna (Optional external) NMEA 0183
External Modem	L-band interfaces
User Interface	Remote ViewSAT-e GUI and local color LCD and keypad
Receive Monitor	L-band receive monitor port
Transmit Monitor	L-band transmit monitor port

RF PERFORMANCE			
	X	Ku	Ka
Transmit	7.9-8.4 GHz	13.75-14.5 GHz	29-31 GHz
Receive	7.25-7.75 GHz	10.95-12.75 GHz Universal LNB	R19.2-21.2 GHz Universal LNB
Polarization	Circular	Linear	Circular
G/T	16.7 dB/K	20.5 dB/K	21.8 dB/K
EIRP	51.7 dBW	54.8 dBW	56.6 dBW

CERTIFICATIONS AND QUALIFICATIONS	
Inmarsat Global Xpress	Ka Band Category 1 and Category 4
GX10-A/B (HEO)*	Ka Band
Delta 8/WGS	X Band Ka Band
IntelsatOne FlexMove	Ku Band
IntelsatOne FlexGovSecure	Ku Band
SES mPower*	Ka Band
CE*	EN62368, EN301428, EN301489, RoHS
MIL-STD-461*	EMI, EMC
MIL-STD-810H	Vibration, humidity, salt fog, sand/dust, shock, rain, high temperature, low temperature, wind

SWaP		
	Deployed	Packout
Size	1.3 m parabolic 4 x 4 ft footprint	2 base cases <70 linear inches
Weight	Base case	Each case <84 lbs, airline checkable
Power In	90-305 VAC, 47 ~ 63 Hz (auto ranging)	N/A
Power Consumption	Configuration dependent	350-500 W nominal

SUPPORTED MODEMS
Comtech 5650C2/MP (MEO, GEO, HEO)*
iDirect 450 mp
iDirect 950 mp
ViaSat® CBM-400
MPM-2500
External modem

\* 2026 IRAD development underway, fully funded

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