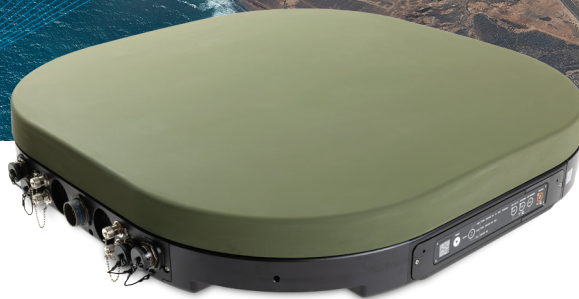
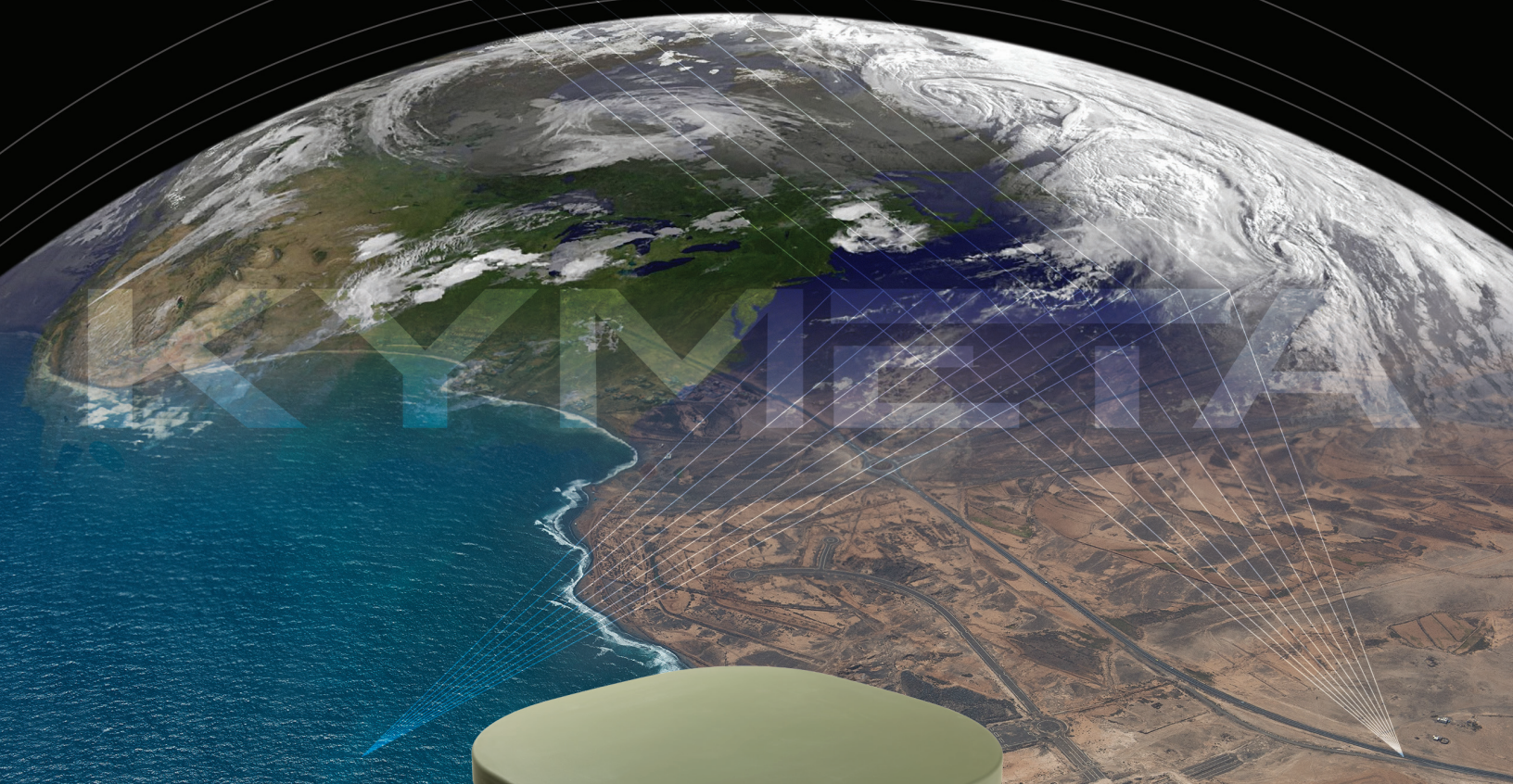




OSPREY™  
u8

# ON-THE-MOVE COMMAND AND CONTROL COMMUNICATIONS AT THE TACTICAL EDGE



OSPREY u8  
HYBRID-GEO-LEO (HGL)

## KEY FEATURES

**Easy to use:** Minimal training required with mobile, auto-acquire functionality

**Flexible:** Modular equipment bay and mounting systems for a wide range of combat vehicle systems

**Durable:** Designed and tested to MIL-STD-810 and MIL-STD-1275

**Low power:** Operates on native DC power with low power steady state consumption

**Resilient:** Enables automated path diversity in contested environments

**Increased survivability:** Designed for low profile integration and low thermal signature

**Low total cost of ownership:** Antenna has no moving parts and a high MTBF

**Multi-Orbit, Multi-Network capable:** GEO-LEO-Cellular operation capability

PLATFORM	HYBRID-GEO (HG)	HYBRID-GEO-LEO (HGL)
Antenna type	Full duplex, single aperture, Ku-band flat-panel antenna, electronically steered holographic beamforming array	
Scan angles	Azimuth: 360°, Elevation: +15° to +90°	
Polarization	Linear, software-defined (circular capable)	Linear / Circular software controlled
Receive (RX) band	10.70 GHz to 12.75 GHz	
RX performance	G/T (broadside) 9 dB/K to 12 dB/K	
Transmit (TX) band	13.75 GHz to 14.50 GHz	
TX performance	EIRP (broadside): 46 dBW (20 W BUC) 49 dBW (40 W BUC)	EIRP (broadside): Software controlled 41.3 dBW (6 W) LEO 49 dBW (40 W) GEO
Cross-pol isolation	≥25 dB	
Interfaces	Ethernet, Wi-Fi (802.11 b/g/n), and N-type RF connectors	
Dimensions	L 89.5 cm × W 89.5 cm × H 15 cm / L 35.24 in. × W 35.24 in. × H 5.91 in.	
Weight	56.8 kg / 125 lb.	49.4 kg / 109 lb.
Input power	12 VDC to 36 VDC max	
Power (typical, steady state)*	130 W (20 W BUC) 250 W (40 W BUC)	LEO operation: 130 W GEO operation: 190 W
Operational temperature	-40 °C to +55 °C (ambient) -40 °C to +70 °C (with solar load)	-46 °C to +55 °C (ambient) -46 °C to +70 °C (with solar load)
Storage temperature	-40 °C to +85 °C	-46 °C to +85 °C
Ingress protection	IP66	
Compliance	MIL-STD-810, MIL-STD-1275	

**AVAILABLE CARTRIDGE CONFIGURATIONS**

Platform	Embedded GEO modem	Embedded LEO modem	External modem connection	Ethernet switching device	Cellular	Wi-Fi
HG	iDirect 950mp	None	Yes	Peplink HD1	600 Mbps (CAT 12)	Yes
HG	iDirect 950mp	None	Yes	Connecttech XDG016	None	No
HGL	iDirect 950mp	OneWeb SSM**	Yes	Peplink HD1	600 Mbps (CAT 12)	Yes
HGL	iDirect 950mp	OneWeb SSM**	Yes	Connecttech XDG016	None	No

\*Factory setting of the software-controlled peak power draw for the HGL is 750 W. User-configurable to a lower threshold for power limited platforms (750, 630, 510, 400).

\*\*Physical OneWeb SSM is located in HGL platform, interface to modem is provided through HGL cartridge.



**KYMETA™**
B R O A D B A N D

Kymeta offers full-service connectivity solutions for the Osprey u8. By-the-gigabyte packages are available with either satellite or hybrid satellite/cellular capacity. TRANSEC services are also available for the Osprey u8.



For more information, contact Kymeta at [sales@kymetacorp.com](mailto:sales@kymetacorp.com).

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