



Redefining Maritime Communications with Easy-to-install LEO Terminals



PEREGRINE u8
LEO SATELLITE TERMINAL

KEY FEATURES



PROVEN MARITIME TRACK RECORD



HIGHLY INTEGRATED, ENERGY EFFICIENT, COMPACT DESIGN



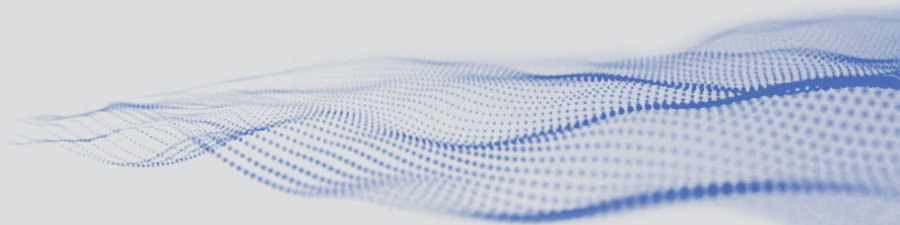
EASY INSTALLATION WITH MINIMAL WEIGHT



ELECTRONICALLY STEERED ANTENNA THAT REQUIRES NO CALIBRATION OR MAINTENANCE



SINGLE OR MULTI-PANEL ANTENNA CONFIGURATION





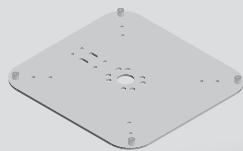
TERMINAL CONFIGURATION	PEREGRINE u8 LEO	PEREGRINE u8 LEO-LTE
Antenna type	Full duplex, single aperture, Ku-band flat-panel antenna, electronically steered holographic beamforming array	
Scan Angles	Azimuth: 360°, Elevation: +15° to +90°	
Polarization	Circular, software-defined	
Receive (RX) band	10.70 GHz to 12.75 GHz	
RX performance	G/T (broadside) 11 dB/K	
RX throughput (per unit)	Up to 195 Mbps	
Transmit (TX) band	14.00 GHz to 14.50 GHz	
TX performance	EIRP 36.6 dBW (dual carrier)	
TX throughput (per unit)	Up to 32 Mbps	
Satellite modem	Embedded Eutelsat OneWeb	
Cellular modem	N/A	600 Mbps (LTE-A Pro) (Global or FirstNet configurations)
Interfaces	Ethernet	Ethernet & Wi-Fi (802.11b/g/n)
Dimensions (per unit)	L 89.5 cm × W 89.5 cm × H 14 cm (L 35.2 in. × W 35.2 in. × H 5.5 in.)	
Weight (per unit)	30.1 kg (66 lb.)	31.1 kg (68 lb.)
Input power (per unit)	10 VDC to 30 VDC or 90 VAC to 305 VAC via an accessory	12 VDC to 30 VDC or 90 VAC to 305 VAC via an accessory
Power (typical, steady state, per unit)*	95 W	125 W
Operational temperature	-40 °C to +55 °C	
Storage temperature	-40 °C to +85 °C	
Ingress protection	IP66	
Compliance	CE, FCC, Nemko, WEEE, RoHS	

SHIP MOTION	
Roll	±30° / 4.8 s (12.5°/s) max.
Pitch	±30° / 4.8 s (12.5°/s) max.
Yaw	±10° / 5 s max.
Headway speed	20.5 m/s (40 knots)
Wind	53.5 m/s (104 knots)

MARITIME PEDESTAL ADAPTER PLATE

The maritime pedestal adapter plate enables customers to install the Peregrine u8 on their existing VSAT mount without customizing or replacing their existing pedestal. Kymeta partners with Seaview Global to provide maritime mounting solutions. Refer to <https://www.seaviewglobal.com/pages/mounting-solutions-for-kymeta-antennas> for more information.

MOUNT ADAPTER PLATE



EXAMPLE OF THE PEREGRINE u8 INSTALLED ON AN OFF-THE-SHELF PEDESTAL

*Software-controlled peak power draw. User-configurable to a higher threshold for very low-temperature operation.



For more information, contact Kymeta at sales@kymetacorp.com

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