



PEREGRINE™
u8

REDEFINING MARITIME COMMUNICATIONS WITH EASY-TO-INSTALL LEO TERMINALS



KEY FEATURES

- Proven maritime track record
- Easy installation with minimal weight
- Single or multi-panel antenna configuration
- Highly integrated, energy efficient, compact design
- Electronically steered antenna that requires no calibration or maintenance



SPECIFICATIONS*

TERMINAL TYPE	OneWeb	OneWeb-CELLULAR
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 throughput (per unit)	Up to 195 Mbps	
Transmit (TX) band	14.00 GHz to 14.50 GHz	
TX throughput (per unit)	Up to 32 Mbps	
Satellite modem	Embedded 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	

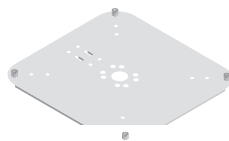
SHIP MOTION

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	72 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

*Specifications as of August 2023. Subject to change.

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



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

12277 134th Ct. NE, Redmond, WA 98052 USA | Phone: +1.425.896.3700 | www.kymetacorp.com

© 2023 Kymeta Corporation. KYMETA, HAWK, GOSHAWK, OSPREY, PEREGRINE, MAKING MOBILE GLOBAL and CONNECTED BY KYMETA are trademarks of Kymeta Corporation, with registrations or pending applications in the U.S. and/or other countries. All other trademarks are the property of their respective owners.

