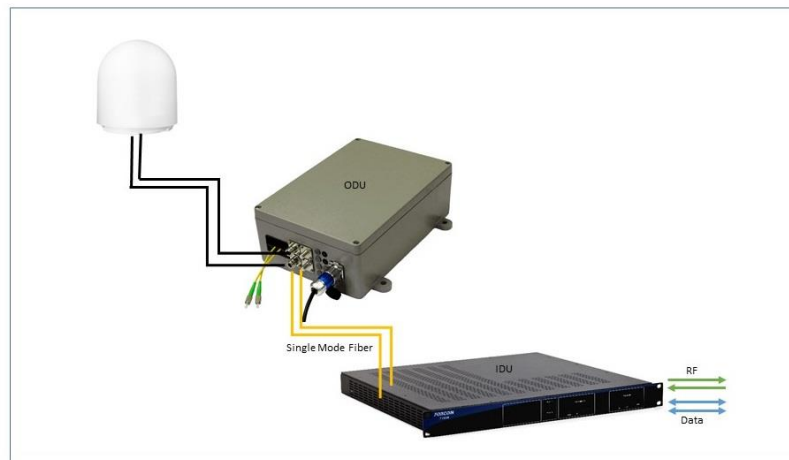




Sat-Light Maritime Series



Features and Benefits

- Optimized for maritime VSAT terminals
- Ultra-low RF loss and lightweight
- Protection against lightning damage EMI & RFI
- IP67 rated outdoor enclosure
- Optional 1RU indoor enclosure
- 24vdc FSK powering

Product Description

Global Foxcom's new fully integrated Maritime VSAT solution provides for the first time ever a cost effective alternative to coax cable deployments. Harnessing the superior performance of fiber optic cable, the VSAT- Maritime solution meets the special needs of Maritime service providers and integrators around the globe.

The Sat-Light Maritime solution is compact and flexible, making it an ideal solution for both new and retrofit applications. The kit consists of the 4000 series outdoor unit (ODU), which is installed in the radome, and the 7000 series chassis and power supply below deck. The Maritime fiber solution provides bi-directional L-band transport and a 10MHz reference signal needed for the BUC. Two bi-directional RS422 ports enable the below-desk equipment to control the antenna.

The ODU is an IP67 rated enclosure with a special conformal coating added to the internal components. This special coating adds to the durability of the unit by provided extra protection from humidity and salt corrosion.

Ships, yachts, oil rigs and other marine facilities deploying Global Foxcom's maritime solution, can now enjoy the many benefits that optical fiber has to offer, such as improved signal quality, lightning protection, safety, compatibility and ease of installation.

Sat-Light Maritime Series

Maritime Fiber Optic System Specifications		
L-Band Downlink		
Frequency range	950-2150MHz	
ODU Input/IDU Output VSWR	1:1.5	
ODU RF Input Signal Range [total power]	-40 to -20dBm	
IDU RF Output Power [total power] ¹	-40 to -20dBm (±10dB Adjustable)	
Noise Figure	22dB	
LNB powering	Optional: 13/18 VDC 300mA max, short circuit	
L-Band Uplink		
Frequency range	950-2150MHz	
IDU Input/ODU Output VSWR	1:1.5	
IDU RF Input Signal range [total power]	-25 to +5dBm	
RF Output Power [total power] ¹	-25 to -5dBm (±10dB Adjustable)	
Noise Figure	25dB	
BUC powering over the ODU uplink RF Connector	None	
10 MHz Uplink		
Frequency range	10MHz	
Input/Output VSWR	1:1.8	
IDU RF Input Signal Range [total power]	-20 to 3dBm	
ODU RF Output power ¹	-15 to +5dBm (±10dB Adjustable)	
Serial Communication		
Number of Channels	2	
Serial Type	RS422 (optional RS232)	
Baud Rate	300-19,200bps (Auto sensing)	
Optical Specifications		
Required Fiber Type	SMF-28 or equivalent [single mode]	
Optical Wavelength	1310 ±10nm	
Optical Connector	FC-APC	
Fiber Length	1Km max.	
Physical Specifications		
	Indoor	Outdoor
RF Connectors	F-type Female	F-type Female
Dimensions	19" wide 1RU	14" x 6" x 3"
Operating temperature	-10 to +55° C	-20 to +5
Ordering Information		
Model Number	V8013240	
Description	Bi-directional Maritime	