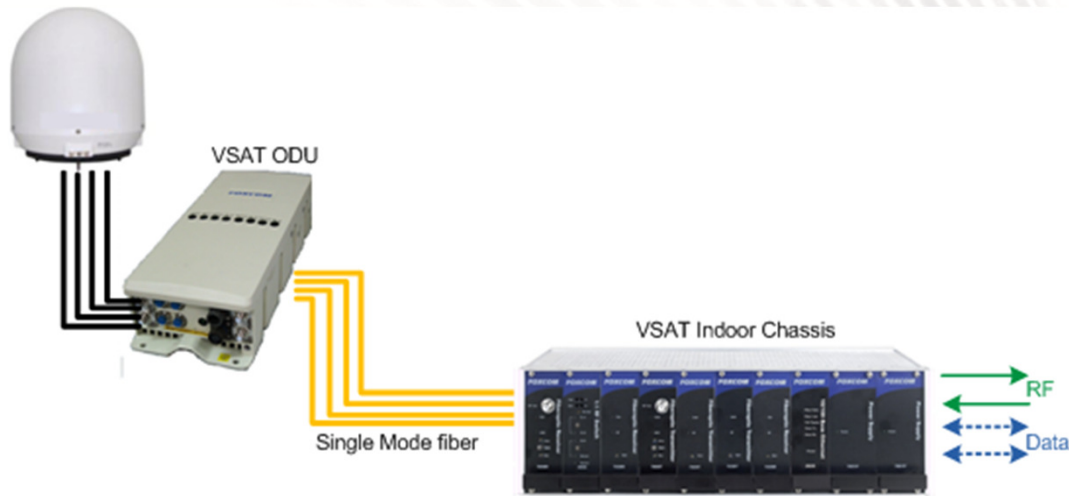




Sat-Light Maritime Series



Features & 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:

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 optics, 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 allow 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 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 protected

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 3U Chassis	14" x 6" x 3"
Operating temperature	-10 to +55° C	-20 to +55° C

Ordering Information

Model Number	Description
V8013240	Bidirectional Maritime System

Israel Corporate Office
 16 Hataasia St. Har Tuv A
 Beit Shemesh, Israel 99052
 Tel: +(972) 2 5899888
 Fax: +(972) 2 5899898

www.foxcom.com

All specifications are subject to change without prior notice

US Office
 136 Main St. Suite 300
 Princeton, NJ 08540
 Tel: +(1) 609 514 1800
 Fax: +(1) 609 514 1881

All specifications are subject to change without notice

© Foxcom rev A4 Jan 2011