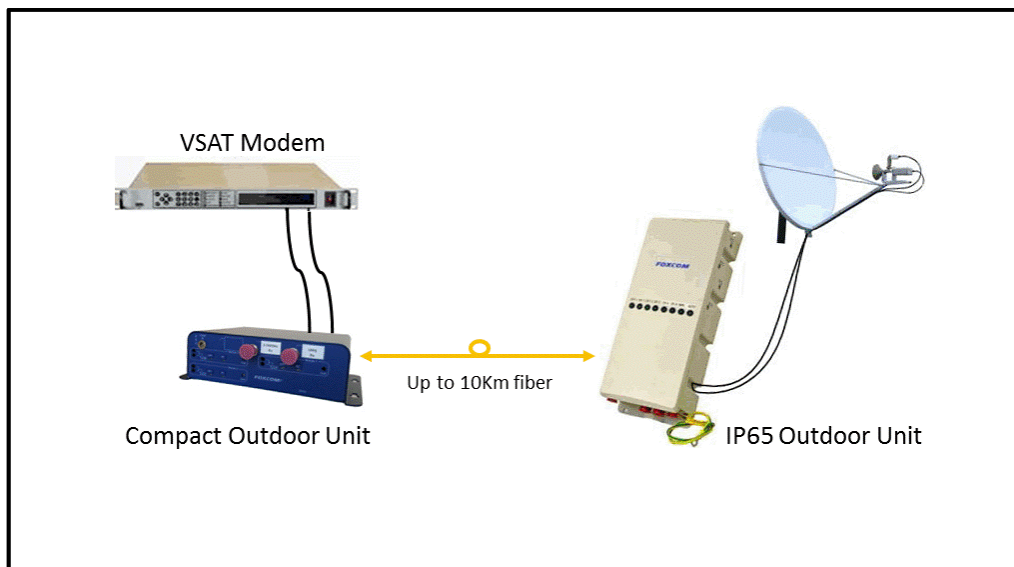




Sat-Light Gold Series

Compact Single Fiber VSAT System



Features & Benefits

- Uses a single fiber
- Optimized for VSAT hubs
- Ultra-low RF loss and lightweight
- Protection against lightning damage/EMI & RFI
- IP65-rated outdoor enclosure
- Both 50 and 75 Ohm versions
- 10MHz support

Product Description

Foxcom's new fully integrated, DIVN/COVN single fiber optic extension system provides, for the first time ever, a professional cost effective alternative to coax cable deployments. Harnessing the superior performance of fiber optics, this unique VSAT solution, which is optimized for the DIVN COVN platform, meets the special needs of VSAT service providers and is integrated around the globe.

The VSAT fiber optic solution is compact and flexible, making it an ideal solution for VSAT hubs of any size. The kit consists of the 4000 series outdoor unit (ODU) and a compact series

Sat-Light Gold Series

enclosure. The VSAT fiber solution provides bi-directional, L-band transport and a 10MHz reference signal needed for the BUC over a single fiber.

The ODU is an IP65-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.

Figure 1: Indoor Unit Layout

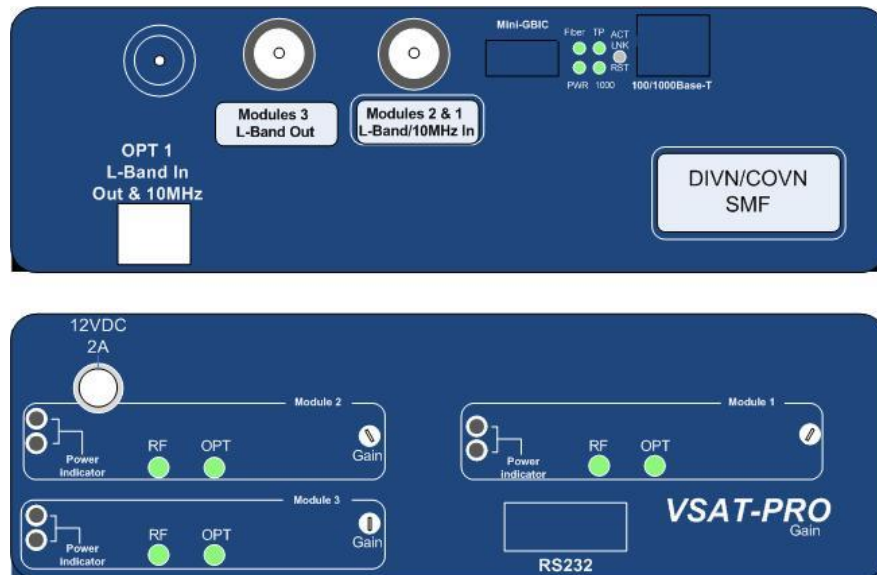
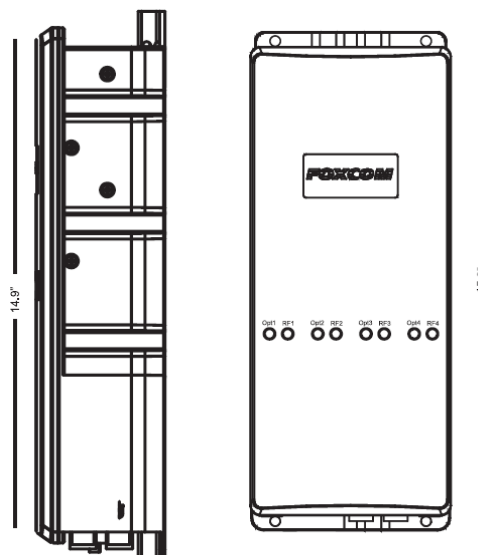


Figure 2: Outdoor Unit Mechanical Drawing



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Specifications

4005 VSAT Pro 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	18V, Optional 13V (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 0dBm	
ODU RF Output power ¹	-15 to +5dBm (±10dB Adjustable)	
Optical Specifications		
Required fiber type	1 x SMF-28 or equivalent [single mode]	
Optical wavelength	1310 ±10nm	
Optical connector	SC-APC (IDU) FC-APC (ODU)	
Fiber length	3Km max.	
Physical Specifications	Indoor	Outdoor
RF Connectors	F-type F/SMA F	F-type F/N-type F
Dimensions	Compact Unit	14” x 6” x 3”
Operating temperature	-10 to +55° C	-20 to +55° C

Ordering Information

Product Part Number	Description
V8013135	DIVN/COVN Single Fiber VSAT Pro System, 75 Ohm
V8013136	DIVN/COVN Single Fiber VSAT Pro System, 50 Ohm

