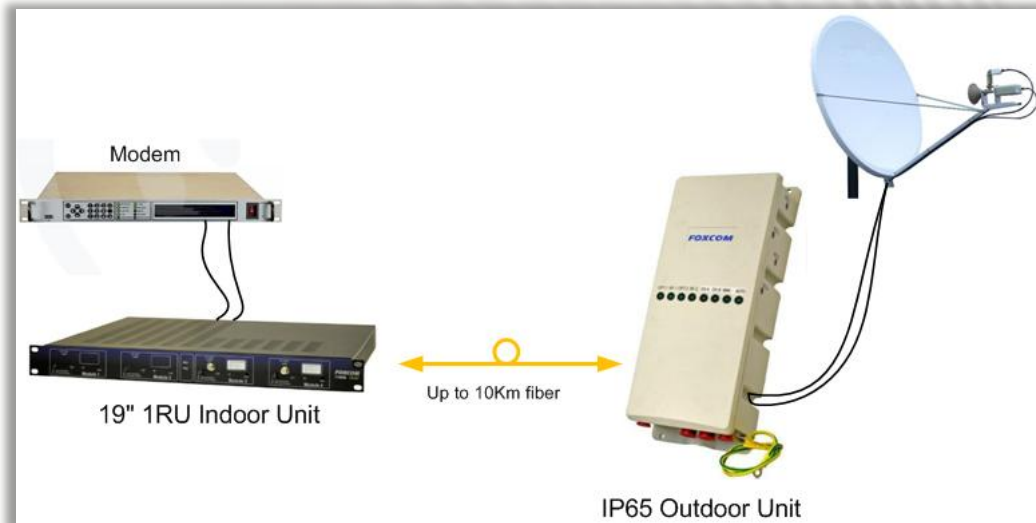




## 4005 VSAT Pro System



### Features & Benefits :

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

### Product Description:

Foxcom's new fully integrated optical 4005 VSAT Pro solution provides for the first time ever a professional cost effective alternative to coax cable deployments. Harnessing the superior performance of fiber optics, the optical VSAT solution meets the special needs of VSAT service providers and integrators 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), which is outdoors, and the 7190 1RU series chassis and power supply indoor. The VSAT fiber solution provides bi-directional L-band transport and a 10MHz reference signal needed for the BUC.

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.

NOC's, Hubs, and other satellite facilities deploying Foxcom's VSAT 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

<b>4005 VSAT Pro Fiber Optic System Specifications</b>		
<b>L-Band Downlink</b>		
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] <sup>1</sup>	-40 to -20dBm (±10dB Adjustable)	
Noise Figure	22dB	
LNB powering	18V, Optional 13V (300mA max, short circuit protected)	
<b>L-Band Uplink</b>		
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] <sup>1</sup>	-25 to -5dBm (±10dB Adjustable)	
Noise Figure	25dB	
BUC powering over the ODU uplink RF connector	None	
<b>10 MHz Uplink</b>		
Frequency range	10MHz	
Input/Output VSWR	1:1.8	
IDU RF input signal range [total power]	-20 to 0dBm	
ODU RF Output power <sup>1</sup>	-15 to +5dBm (±10dB Adjustable)	
<b>Optical Specifications</b>		
Required fiber type	3 x SMF-28 or equivalent [single mode]	
Optical wavelength	1310 ±10nm	
Optical connector	FC-APC	
Fiber length	3Km max.	
<b>Physical Specifications</b>		
	<b>Indoor</b>	<b>Outdoor</b>
RF Connectors	F-type F/SMA F	F-type F/N-type F
Dimensions	19" Wide 1U Chassis	14" x 6" x 3"
Operating temperature	-10 to +55° C	-20 to +55° C

**Ordering Information****Model Number****Description****V8013243****4005 VSAT Pro Bidirectional System, 75 Ohm****V8013244****4005 VSAT Pro Bidirectional System, 50 Ohm**

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All specifications are subject to change without prior notice

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