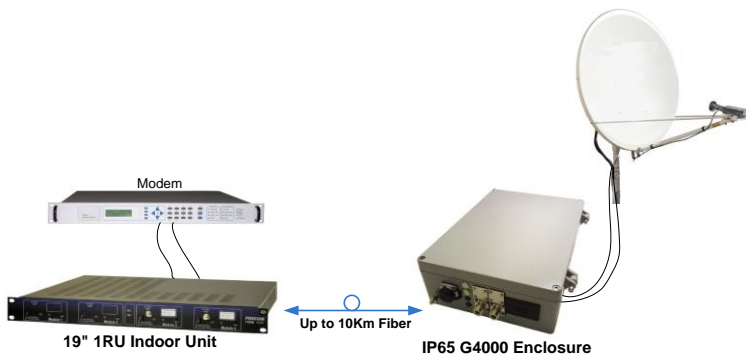




Sat-Light Series

G4000 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 with Hot Swappable capabilities**
- **Both 50 and 75 Ohm versions available**
- **10MHz support**

Product Description

Foxcom's new fully integrated optical G4000 VSAT Pro solution provides 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 G4000 Series Outdoor Unit (ODU), for outdoor support, and the 7190 1RU series chassis and power supply for indoor support. The VSAT fiber solution provides bi-directional L-band transport and a 10MHz reference signal needed for the BUC.

The G4000 ODU is an IP65-rated enclosure with Hot-swap capabilities, which enables the user to easily open the unit to replace or add modules. The G4000 ODU replaces Foxcom's previous G4005 ODU.

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.

General Characteristics

G4000 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	3 x SMF-28 or equivalent [single mode]	
Optical wavelength	1310 ±10nm	
Optical connector	FC-APC	
Fiber length	3Km max.	
Physical Specifications	Indoor	Outdoor
RF Connectors	F-type F/SMA F	F-type F/N-type F
Dimensions	19" Wide 1U Chassis	34Lx29Wx11.7H cm
Operating temperature	-10 to +55° C	-20 to +55° C

¹ Within optical budget

For more connector options, contact a Foxcom representative.

Ordering Information

Product Part Number	Description
V8015001	G4000 VSAT Pro Bidirectional System, 75 Ohm
V8015002	G4000 VSAT Pro Bidirectional System, 50 Ohm