

VSAT Fiber LINK



Product Description



Features & Benefits

- Easy to install**
- Limitless connectivity**
- Single Fiber use**
- Protection against lightning damage/
EMI & RFI**
- Both 50 and 75 Ohm versions**
- 10MHz support for BUC**
- Optional Serial / Ethernet support**

The Global Skyware VSAT Fiber LINK system provides a new revolutionary compact, low-cost fiber solution for VSAT applications. VSAT users are no longer restricted by the limitations of coax cable and can enjoy the many benefits of fiber at a reasonable cost.

The VSAT Fiber LINK extension system enables the transmission of Bi-directional L-Band and 10MHz reference signals to and from the BUC/LNB via a single fiber.

The system is equipped with a power inserter, which enables the powering of BUC/LNB directly without the use of external components.

For special applications the system can be supplied with Ethernet or Serial data for SNMP management and control.

The VSAT Fiber LINK system is compact and weatherproof; the antenna unit is housed in a compact IP65-rated enclosure and is supplied with a pole mount kit for easy installation on a standard dish stand.



VSAT Fiber LINK



Specifications

FiberGo Fiber Optic System Specifications		
L-Band Downlink		
Frequency range	950-2150MHz	
ODU input/IDU output VSWR	1:1.5	
Link Gain	Adjustable ± 10 dB	
Gain Flatness	2.5dBp-p @ full Band, 0.5dB P-p @ 200MHz BW	
RF input signal range [total power]	-50 to -20dBm	
RF output power [total power] ¹	-50 to -20dBm (± 10 dB Adjustable)	
Noise Figure	25dB	
LNB powering	18V, Optional 13V (350mA max, short circuit protected)	
L-Band Uplink		
Frequency range	950-2150MHz	
IDU input/ODU output VSWR	1:1.5	
Link Gain	Adjustable ± 10 dB (within unit operating range)	
Gain Flatness	2.5dBp-p @ full Band, 0.5dB P-p @ 200MHz BW	
IDU RF Input signal range [total power]	-20 to 0dBm	
RF Output power [total power] ¹	-20 to 0dBm (Adjustable)	
Noise Figure	27dB	
Buc Powering	24VDC 4A Max	
10 MHz Uplink		
Frequency range	10MHz	
Input/Output VSWR	1:1.8	
IDU RF Input signal range [total power]	-5 to +5dBm	
ODU RF Output power ¹	-10 to +5dBm (Adjustable)	
[Optional] Data Link		
Ethernet Link	10/100BaseT	
Optical Specifications		
Required fiber type	G.652 or equivalent [single mode]	
Fiber quantity	Single (WDM MUX)	
Optical connector	SC-APC	
Fiber length	2Km max.	
RF connectors	IDU/Modem unit	ODU/Dish Unit
RF Connectors	F-type (F)	F-type (F)



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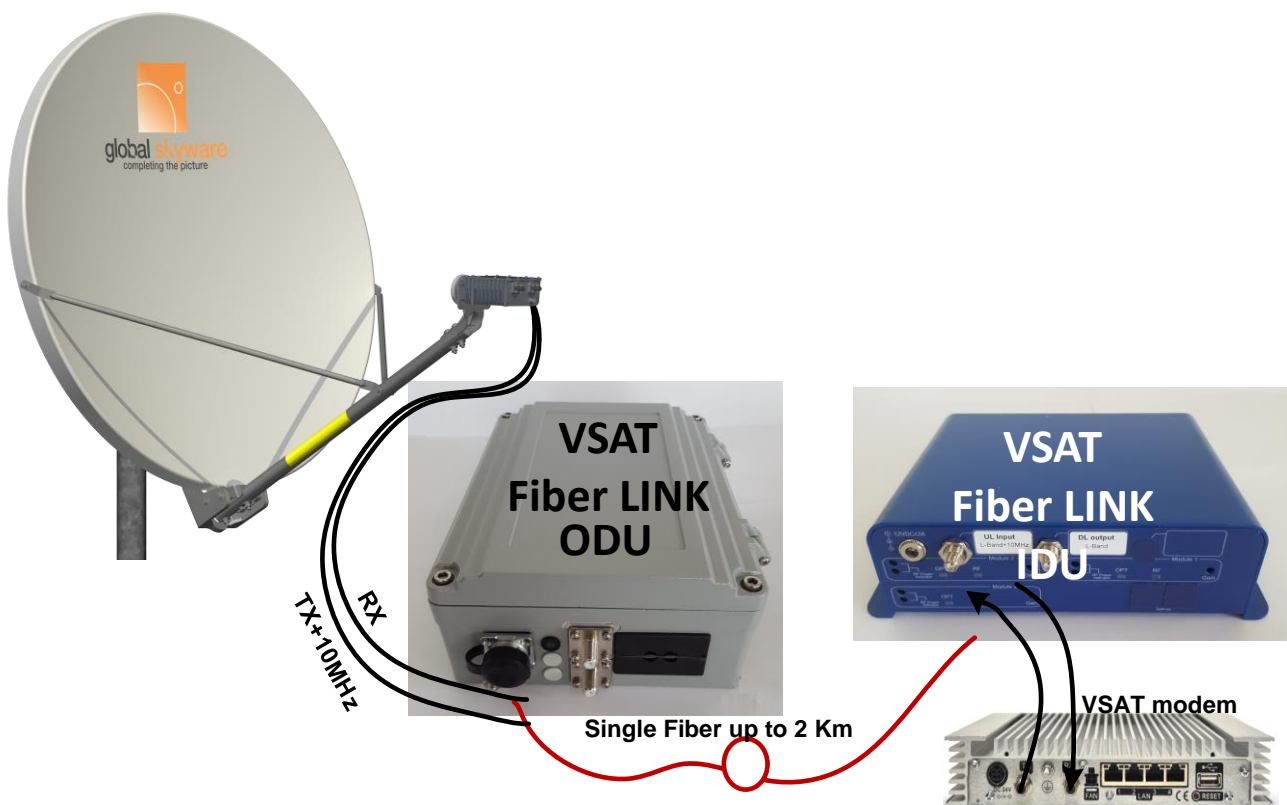


global skyware
completing the picture

Operating temperature	-10 to +55° C	-20 to 65° C
Electrical Specifications	IDU/Modem Unit	ODU/Dish Unit
Powering	12VDC via included 100-220VAC 50.60Hz Power adapter	100-220VAC 50/60Hz
Current consumption	1A max	1A Max (excluding LNB And Buc Power)

¹ Within optical budget

Connection Diagram



Ordering Information

Model Number	Description
V8013137	VSAT Fiber LINK Bi-directional L-Band + 10MHz System. Comprised of an IDU unit and an ODU unit, single fiber Use, 75 Ohm F connector on both IDU and ODU, SC-APC connector. Standard product



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