

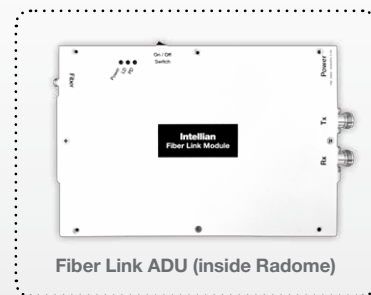
Intellian Fiber Link

Fiber Optic Connection for VSAT Systems

Connected at the Speed of Light



Intellian Fiber Link System with an Integrated ACU



Fiber Link ADU (inside Radome)



Intellian Fiber Link System



VSAT Fiber Link Solution

Exclusively designed for Intellian VSAT systems, although can be used with other VSAT systems, this two module solution is designed for customers who demand simple installation, reduced signal loss, and cable runs of more than 100 meters.

A Single Fiber Optic Cable

A single fiber optic cable connects the VSAT antenna to the BDU, reducing the number of cables required, making installation more straightforward.



*Not supplied

No Cable Run Limitations

With less signal loss than Coax cable, and much lighter, there is no cable run length limitations. No measurable signal loss up to 2000 meters.

Reduces Installation Time

A single cable, saves time and reduces weight of the installation.

Fiber Link with an integrated ACU available

Intellian offers an advanced VSAT ACU that combines the Fiber Link BDU and ACU into one unit! This option makes it even easier to install and operate.

Intellian

Connect with the best

Intellian Fiber Link

Fiber Optic Connection for VSAT Systems

Technical Specifications

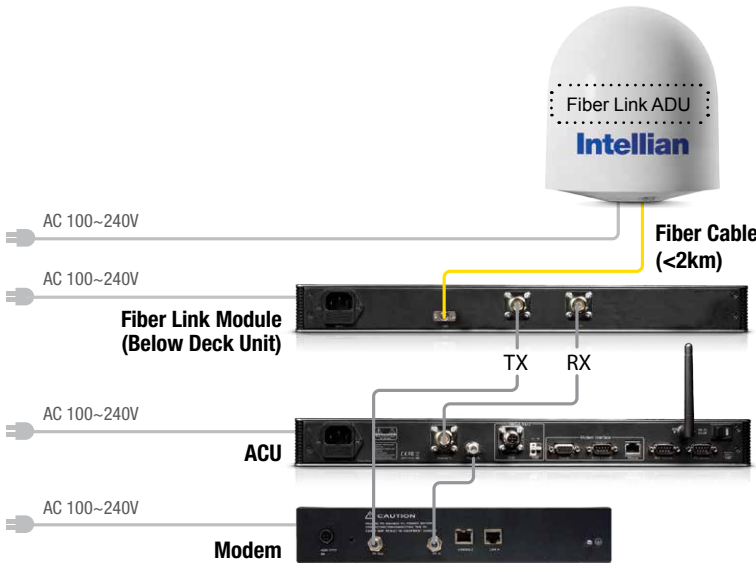
Mechanical Specification	Fiber Link VSAT
Above Deck Unit Size (inside antenna)	27cm x 17cm x 3.6cm / 10.63" x 6.69" x 1.41"
Above Deck Unit Weight (inside antenna)	1.5Kg / 3.3lbs
Below Deck Module Size (19 inch rack)	43.1cm x 38cm x 4.44cm / 16.96" x 14.96" x 1.74"
Below Deck Module Weight (19 inch rack)	3.1Kg / 6.83lbs (Integrated ACU : 4kg / 8.82lbs)
Optical Specification	
Frequency Range	10MHz~2.2GHz
Link Gain	0dB typ. (±4dB)
Link Gain Ripple (any 36MHz)	±1dB (typical)
Gain Stability (dB/24hr@room temp.)	±0.25dB (typical)
Output IP3	+36dBm
Input / Output Impedance	50ohm
Connector Type	FC/APC
Recommended Fiber Mode	Single Mode
Electrical Specification	
Supply Voltage	110/220V AC
Max Power Rating (ADU)	15W max.
Max Power Rating (BDU)	15W max.

VSAT Fiber Link Solution

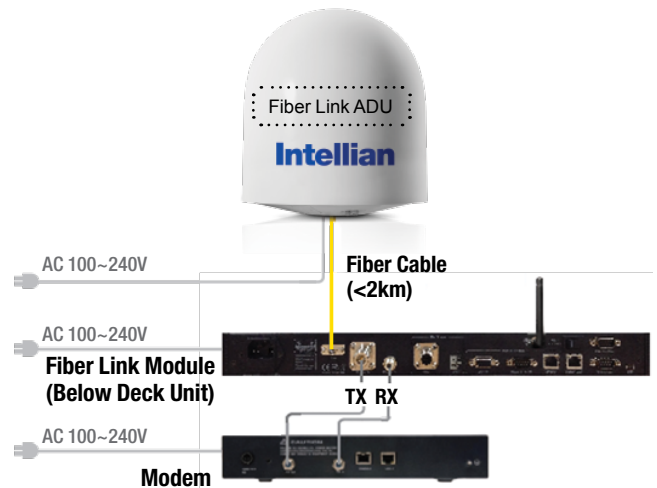
This solution has been designed exclusively for Intellian v100, v100Ka, v100GX, GX100, v130G, v240C, v240K and v240M systems, although can be used with other non-Intellian VSAT systems. The Fiber Link System consists of an ADU module and BDU module connected by Fiber cable. The ADU module is a small unit mounted inside the bottom of the Radome that is connected to the rack mountable BDU module. The BDU is available either as a standalone Fiber Link module or integrated within the ACU on select VSAT systems.

Part Number	Model Description
F0-1V10	VSAT Fiber Link Compatible Models: v100, v100GX, GX100, v100Ka, v240C, v240K, v240M
F0-1V12	VSAT Fiber Link for v130G Compatible Models: v130G
F0-1V40	Intellian Fiber Link System w/ an Integrated ACU Compatible Models: v100, v100GX, v100Ka, v240C, v240K, v240M

VSAT System Diagram With Fiber Link System



VSAT System Diagram With Fiber Link System with an Integrated ACU



Intellian

Global HQ
Innovation Center / Factory
Intellian Technologies, Inc.
T +82 31 379 1000
F +82 31 377 6185

APAC
Seoul Office
Intellian Technologies, Inc.
T +82 2 511 2244
F +82 2 511 2235

Americas
Irvine Office
Intellian Technologies USA, Inc.
T +1 949 727 4498
F +1 949 271 4183
Toll Free +1 888-201-9223

EMEA
Rotterdam Office
Intellian B.V.
T +31 1 0820 8655
F +31 1 0820 8656