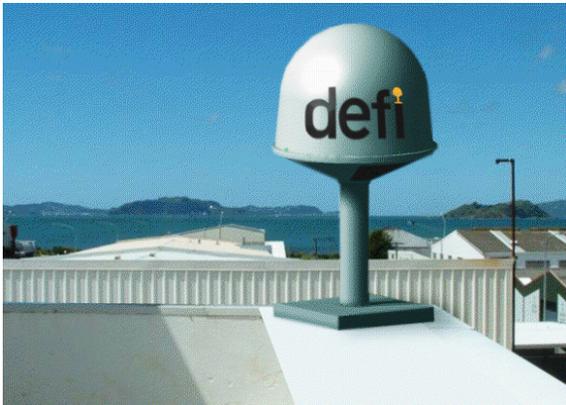


# MOBILITY & CONNECTIVITY



## Agiosat defi™ satellite antenna system

Even if the wind is blowing 200 mph, Agiosat's defi antenna system keeps you connected to everywhere in the world.

Agiosat's defi antenna is the cornerstone of a revolutionary storm resilient satellite system designed to operate and survive 200 mph sustained winds. For the first time, communication can be maintained during a hurricane or other meteorological event you maintain Agiosat's full compliment of critical IP centric connectivity which can support dozens of simultaneous users including:

- High Speed Data
- Full Featured Telephony
- Two-way Radio (IP)
- Streaming Video
- Video Conference

The defi antenna is a fixed satellite antenna contained within a hardened aerodynamically engineered dome to maintain full operation during high velocity winds and rain. The purpose built antenna inside the dome is integrated with the associated components to ensure that the defi system has the power to sustain signal and data throughput during the worst parts of a turbulent storm. The antenna can be pole mounted or utilize a non-penetrating mount.

# Agiosat defi Antenna System

Here's the details of another member of Agiosat's family of products designed to keep you connected all the time, every time.



<b>DEFI 1.2 M DISASTER COMMUNICATIONS TERMINAL</b>		
The DEFI 1.2 M Disaster Communications Terminal is comprised of a 1.2 M axis symmetric prime focus earth station terminal enclosed in a protective housing for operation in winds in excess of 200 MPH to maintain communications during a disaster. The DEFI terminal uses a unique patent pending backfire feed to minimize antenna profile. It has the following basic performance including the protective housing.		
	<b>RECEIVE</b>	<b>TRANSMIT</b>
<b>FREQUENCY</b>	10.7-12.75	13.75-14.5
<b>GAIN (MIDBAND)</b>	41.7	43.2
<b>3 DB BEAMWIDTH</b>	1.5	1.2
<b>POLARIZATION</b>	2 PORT ORTHOGONAL, LINEAR OR CIRCULAR	
<b>VSWR</b>	1.5:1	1.2:1
<b>NOISE TEMPERATURE</b>	10° EL < 52° K	
	30° EL < 47° K	
<b>ISOLATION</b>	TX-RX > 110 DB	RX/TX > 30 DB
<b>FIRST SIDELobe</b>	> 20 db	> 20 db
<b>SIDELobe ENVELOPE</b>	2.5° < $\theta$ < 7°	29-25 LOG $\theta$
	7° < $\theta$ < 9.2°	8 DBI
	9.2° < $\theta$ < 48°	32-25 LOG $\theta$
	48° < $\theta$ < 180°	-10 DBI
<b>CROSS POLARIZATION</b>		
<b>ON AXIS</b>	> 30 DB	
<b>1 DB BEAMWIDTH</b>	>28 DB	
<b>ELEVATION COVERAGE</b>	0° TO 90°	
<b>AZIMUTH COVERAGE</b>	360°	
<b>WIND</b>	OPERATIONAL AND SURVIVAL > 200 MPH	
<b>RAIN</b>	> 4"/HR	
<b>ICING CONDITIONS</b>	HEATED VERSION OPTIONAL	
<b>MOUNT</b>		
<b>ROOF</b>	NON-PENETRATING ROOF MOUNT	
<b>GROUND</b>	PIPE MOUNT TO 2' TO 25'	
<b>ENCLOSURE SIZE</b>	NOMINAL 60" DIAMETER, 60" HIGH	
<b>WEIGHT</b>	<200#	

The defi system operates on Agiosat's Response Network. Owned and operated by Agiosat Global Communications, this exclusive network provides data, voice and video connectivity in an IP-based environment. It is designed to permit near instant bandwidth expansion of individual and/or multiple sites as determined by the user. This allows Agiosat's user community to scale bandwidth as the specific requirements of the response in progress demand. Agiosat has teleports located worldwide to ensure global and redundant coverage along with a dedicated staff of technical experts staffing our teleports 24/7 to ensure immediate assistance.

Agiosat's defi system ensures that no matter how fast the wind blows or how bad the weather becomes, your vital connectivity remains constantly available.

## About Agiosat.

Agiosat is a global provider of satellite-based communications solutions for government, enterprise, and individual customers. The company is a vertically integrated satellite provider that owns and operates its own telecommunication hubs, shares infrastructure with other carriers, and distributes the services of other network operations.

## We're ready to get started.

Call us today at +1 818 526 1700 (In the USA toll free 1 877 728 2668) for more information. Or visit the company's Web-site at [www.agiosat.com](http://www.agiosat.com)



P.O. Box 7460 Burbank, CA 91510 USA  
1.877.728.2668 [www.agiosat.com](http://www.agiosat.com)

Copyright 2007 AgiosatGlobal Communication.  
All rights reserved.