

# TOUGHSAT

MOBILE FLYAWAY HOTSPOT



## A Portable Satellite Wi-Fi Internet Hotspot

The Toughsat Flyaway mobile satellite system is easily transported and deployed by one person for highspeed connectivity. With an integrated wireless access point, this satellite solution can become a multi-user hotspot in minutes.

### Toughsat Flyaway Features:

- Manufactured by Ground Control
- One Operator Simplicity
- Single Source Provider for Equipment, Service and Support
- Ground Mounting and Roof Rack Mounting (Fly-and-Drive)
- Creates Wi-Fi hotspot in 3.5 minutes automatically
- Dual Matrix Service - Two satellites for redundancy
- Works in extreme environments. Hot-Cold-Rain-Snow
- Available in .98 meter or 1.2 meter dish sizes

## MAIN CASE Specifications

Toughsat (same for both .98 and 1.2 systems) --- Compatible with Toughsat XP or SP  
External Dimensions --- 61.25" x 21.75" x 16" (155.6 x 55.24 x 40.64 cm)  
Weight .98 dish (loaded) --- 149 lbs (67.59 kg) Under shipping weight limits  
Weight 1.2 dish (loaded) --- 160 lbs (72.57 kg)

## DISH & BAG Specifications

Reflector Types --- 0.98 or 1.2 square meter effective area  
External Dimensions .98 Meter Dish --- 39" x 4" depth (99.06 x 10.16 cm)  
External Dimensions 1.2 Meter Dish --- 48" x 5" depth (122 x 12.7 cm)  
Weight (both systems) --- 98m 26 lbs (11.79kg), 1.2m 35 lbs (15.88kg)

## RACKMOUNT CASE (6U)

External Dimensions (same for both .98 and 1.2) --- 21.75" x 24.75" x 14 (55.24 x 62.86 x 35.56 cm)  
Weight --- 33 lbs (14.97 kg)  
Components --- Dish Controller, iDirect Router, Power Conditioner  
Cable Run --- 25' (7.6 Meters) watertight. 50' and 100' runs available

## BRACKETING & DOLLY BAG

External Dimensions --- 63" X 8" X 8" (158 X 20 X 20 cm)  
Weight --- 28 lbs (13 kg)  
Other Components --- Hardware and tools

## DISH ROTATION

Azimuth --- 410°  
Elevation --- 165°  
Polarization ---  $\pm 80^\circ$

## RF INTERFACE

Transmit Power --- 6 watts BUC  
Receive Frequency --- Range 950-1450 mhz

## ENVIRONMENT

Max Operational Temperature (at 100% humidity) --- Operational -20° to 140°F (-28°C to 60°C)  
Max Survival Temperature (at 100% humidity) --- -60°F to 160°F (-51°C to 71°C)

## POWER REQUIREMENTS

Dish Controller & Dish Motors (Via 120 VAC) --- 15 watts  
iDirect Modem (via AC 120V to DC 24V @ 5 Amp) --- 75 watts



**Toughsat TS2 ACU (Antenna Control Unit)**

One button operation with Dual Matrix Service for the ultimate redundant satellite communications