



Spacenet Mobility Solutions

Spacenet Mobility Solutions offer all the benefits of Spacenet's mission-critical VSAT networking with the ability to go virtually anywhere and deploy in a matter of minutes. Spacenet offers its unique Mobility service options for use in a wide range of applications and environments, delivering high-reliability services with just the push of a button.

Benefits of Connexstar Mobility solutions include:

- > High-speed data, video, and VoIP available anywhere
- > Integrated solutions for mobile communications needs
- > Full-time primary or part-time services
- > Up to 1 Mbps upstream speed (remote to hub) and up to 3 Mbps downstream
- > Rapid deployment and de-installation with no knowledge of VSATs or networking required
- > Equipment can be deployed free-standing or can be permanently mounted to automobiles/trailers
- > Rugged construction (VSAT equipment has a Mean Time Between Failures of greater than 10 years)
- > Optional solar power sources available for a truly go-anywhere wireless networking solution

Connexstar Mobility solutions are ideally suited for:

- > Defense and homeland security
- > Disaster recovery and first responders
- > Energy & utilities

Transportable auto-acquisition antenna options include:

- > Vehicle Roof-Mount (standard installation included) or Fly-Away/Case Mount (a two case portable deployment solution with two piece removable deflector)
- > Shock-mounted rack enclosure case (19" X 20") with Connexstar SE indoor unit, UPS, switch, optional AC/DC power supply and power strip

Spacenet Connexstar service features include:

- > Self-pointing, single button automatic satellite and network acquisition
- > .75M or 1.2M antenna options (weighs approximately 150 lbs)
- > Full-time primary or part-time services
- > Up to 1 Mbps upstream speed (remote to hub) and up to 3 Mbps downstream (hub to remote)
- > Symmetric or asymmetric service options available
- > 128-bit AES encryption over the satellite link
- > IP traffic prioritization
- > IPSec-encryption or dedicated frame-relay or ATM backhaul option from the Spacenet hub to customer NOC facilities
- > Supports high-speed data, and VoIP and video for a true converged communications solution

Specifications

> Antenna Options

.75M or 1.2M vehicle-mount or Fly-Away case mount

> Physical Data

.75M

Approximate weight: 92 lbs
Max.length with IFL cables connected: 53 inches
Height stowed:10.5 in
Cross-pol;12.5 in Co-pol
Case dimensions:55 "W X 43.5 "D X 20 "H
Approximate case weight w/o antenna:115 lbs

1.2M

Approximate weight:150 lbs
Max.length with IFL cables connected:74 inches
Height stowed (w/o loadframe):1 7 ",deployed – 72.25 "

> Environmental

.75M

Wind:Survival stowed -125 mph;Operational -60 mph at 60 degrees F (Fly-Away -Wind:Operational -30 mph gusting to 45 mph)
Temperature:Operational:-20 degrees F to 125 degrees F;
Storage:-30 degrees F to 150 degrees F

1.2M

Wind:Survival stowed -100mph;Operational -60mph
Temperature:Operational --20 degrees F to 125 degrees F;Storage --30 degrees F to 140 degrees F

> Travel Velocity

.75M

Slewing/Deploying Azimuth – 10 °/second
Elevation – 5 °/second
Manual Jog – 1.0 ° or .2 °/second

1.2M

Slewing/Deploying – 2 °/second
Peaking – 5 °/second
Manual Jog – 1.0 ° or .2 °/second

Spacenet Mobility Solutions

PacStar Military/Defense Communications Solution



Spacenet satellite services can be integrated with the PacStar 5500 series of software enabled, integrated communications appliances designed for military use in the age of the information warfighter. The PacStar 5500 kit is designed specifically to meet or exceed milspec needs (MIL-STD 810 for heat and vibration) and provide reliable connectivity in all environments.

PacStar™ 5500 includes:

- > A small, portable, field-hardened case
- > IQ-Core™ integrated management software
- > VoIP with digital and analog phone support
- > Wireless LAN for phones & laptops
- > Voice mail capable
- > MLPP support for prioritized access
- > Line conditioning UPS cleans up dirty power
- > USB system backup
- > Support for 100 users (licensing & WLAN)
- > Built-in analog and digital PSTN access
- > Integrates directly with Spacenet's auto-acquisition antenna system and VSAT connectivity services

PacStar "one touch" ease of use key features:

- > The "On Button" enables all the capabilities of the system
- > Quick - 8 minute set up
- > Minimal training required
- > Clear and simple documentation

Cisco IMICS for Disaster Recovery, First Responders and Homeland Security



Spacenet satellite services and the Cisco IMICS (Instant Mobile Integrated Communications Solution) can be a critical component of disaster recovery preparedness. The IMICS kit offers a completely integrated bundle of Cisco gear for delivering and managing multiple local wired and wireless data and voice communications platforms. Combined with Spacenet's auto-acquisition antenna and Connexstar services, it provides the ability to deploy a mobile communications command post virtually anywhere in the United States.

Features include:

- > Cisco integrated transportable rapid deployment system
- > Ideal for state & local governments, public safety agencies and enterprises
- > Applications include: toll quality voice (VoIP) and fax services; broadband Internet/secure data; inbound video/video conferencing; and WiFi/Land Mobile Radio
- > Components include: portable auto-acquisition antenna; hardened case and emergency response grade satellite service
- > Integrated VSAT module provides high speed WAN connectivity
- > Operational in less than 10 minutes
- > Weighs under 200 pounds and requires less than 600 watts power
- > Spacenet is the only certified service provider in the United States

IMICS provides an all-in-one solution for local wired and wireless connectivity and serves as a critical component of disaster recovery preparedness. Visit www.spacenet.com/cisco for more information.



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