

OnSignal

MOBILE TECHNOLOGY



Every once in a while a new technology is introduced that pushes the boundaries of how people communicate. In June 2002, On Signal's 2-way satellite systems received approval from the FCC to become mobile. The rules of broadband have now changed. Introducing the ultimate mobile high-speed internet solution... the DataStorm.

The DataStorm mounts on top of your company truck, RV or command trailer. Click a button and the dish automatically deploys and locks on to a selected satellite. Once locked on, you're online at broadband speeds. No phone lines, no cellular phones, no satellite phones. This is true 2-way satellite technology available for one low fixed monthly price.

On Signal is an industry leader and reseller of Direcway mobile bandwidth. As an experienced provider of equipment and installation, we have the expertise to make this new technology work for you

Absolutely! With the Network Access Point from On Signal, you may network up to 50 computer systems. Create a mobile command center that supports a team of people. Consider going wireless and make your broad-band connection up to a quarter mile away from the vehicle. The DataStorm offers you connectivity anywhere, which is far more effective than cellular or satellite phone technology.



Anywhere you can see the Southern sky. From Canada to Mexico and all the States in-between.

The most important aspect to any service is the level of support offered by your supplier. On Signal was founded and continues to develop around one simple truth—providing unsurpassed customer service and support. When your business is mission critical, support is available 24 hours-a-day, 7 days-a-week.



Mobile Broadband Internet

With the DataStorm, sending and receiving large amounts of data from the field can happen right now.

- No phone lines...
- No cell phones...
- No satellite phones...
- No problem.



Transform any vehicle into a mobile office.

The DataStorm deploys in 6 minutes, stows to 11" high and is fully automatic and quite easy to use.



Unsurpassed Service

Technical Support is staffed with trained mobile experts who are always available 24/7.



DataSTORM

Standard Features



FAST SPEEDS

The DataStorm achieves download speed of 400Mbps with burst at 1.7Mbps. This is faster than T1 Speeds! Download a 1 MegaByte file in about 10 seconds. Upload speeds are between 30 to 90Kbps. About twice to three times as fast as a 56K modem.

SAFETY FEATURES

If you forget to stow the dish and you begin to drive off, the DataStorm senses this and will stow the dish automatically. Also, if the vehicle rocks too much, such as from wind, the dish will sense this and stow automatically.

TECHNICAL SPECIFICATIONS

The DataStorm Stands 48" tall when deployed, 10.5 inches when stowed.

Reflector Type74 Effective Area Elliptical Offset.
Mount Geometry	3 Axis Motor Drive (Elevation, Azimuth & Skew)
Polarization	Dish Rotation Cross-Pol Isolation 35 dB-30 dB Min
Deployment Sensors	GPS, Compass +- 2 degrees & Tilt Sensor +- 1Degree

MAXIMUM MOUNT ROTATION

Azimuth	370 Degrees
Elevation	140 Degrees
Polarization	+55 Degrees

SPEED

Deploying Elevation.....	1 degree per second
Deploying Azimuth.....	12 degrees per second
Peaking.....	1 degree per second
(Typical search time 4 to 7 minutes)	

RF INTERFACE

LNB for Satellite TV.....	2qty RG6 for dual TV receiver (optional)
Feed Horn LNB & Transmit Cable	2qty RG6 for Transmit and Receive
Transmit Power	3 Watts
Receive Frequency	Range 950-1450 mhz

MOTORS.....	12V DC 1.2 Amps max draw
Electrical Interface.....	9 Conductor 22 AWG 20 ft. Cable

DIMENSIONS OF DISH

Mounting Plate	21 3/4" x 48"
Dish Stowing Extended Dimensions	56" long by 39.5 wide by 10.5 height
Deployed Height	48" max height
Weight.	105 lbs.

ENVIRONMENT

Wind Deployed	60 mph
Wind Stowed	140 mph
Temperature	Operational -20 F. to 125 F.

CONTROLLER

Dimensions	12"L x 8"W x 1"H
Controller Voltage	12V DC 1.2 Amp typical
Interface	Serial to Computer

MODEMS TX & RX

Dimensions	12"L x 7" x 3.3/4H"
Modem Voltage	120V AC
TX	RG6 & USB to Computer
RX	RG6

Get Connected! Call an On Signal representative for details.

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