

WINEGARD®

REAL-TIME BROADBAND COMMUNICATION ANYWHERE

When traditional methods of communication are no longer feasible due to location or technological difficulties, VSAT antennas can provide Internet and phone connectivity on-demand. Winegard Special Products Division antennas use the strongest, most rugged actuators and motors in the industry, allowing for maximum reliability in extreme environments as well as providing the fastest acquisition times in the market. Built with heavy duty features and scalability suitable for energy and other enterprise applications.

Winegard offers fully-integrated two-way controllers that feature single-button operation without requiring an external PC. Controllers are rack-mountable and feature built-in DVB receivers and GPS. Both controller models are compatible with most platforms available including Hughesnet™, iDirect, Spacenet®, Comtech®, and Nera. Our experts will assist in determining which controller solution is best for your specific application.

NEW!



WX Series Roof Mounted 2-Way Internet Antennas

Winegard WX Series antennas are the most popular, capable of stowing in a folded position for easy travel on the roof of emergency vehicles (FEMA), trailers and tour buses. Made with the strongest, most rugged actuators in the industry, WX Series antennas are built for maximum reliability.

The Winegard WX Series Antennas are available in .98 m and 1.2 m configurations that feature extremely heavy duty options and scalability for the energy and enterprise markets.



WX980

.98 m Roof Mounted Antenna

WX1200

1.2 m Roof Mounted Antenna



WINEGARD PROVIDES COMPLETE GLOBAL COMMUNICATIONS SOLUTIONS.

WINEGARD VSAT BENEFITS

- Heavy duty construction to withstand extreme environments
- Perfect for energy and other enterprise applications
- 2-way communication capability for data, video and voice
- Simple, single-button operation requiring no external PC
- Quick deployment
- Auto-acquisition of target satellite
- Rack-mountable controller included
- Built-in DVB receiver, GPS, compass and tilt sensors
- FCC part 25.209 compliant
- Little or no periodic maintenance required
- Easy field repair and minimal maintenance
- Fastest acquisition times in the industry

Buy Now!

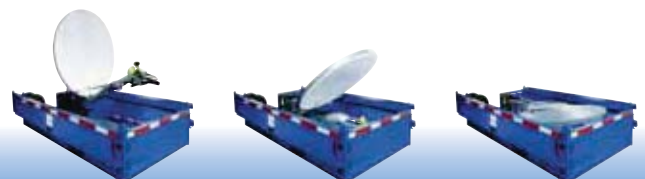
VISA MasterCard American Express PayPal



NEW!

Customized Skid with **WX1200** Auto-Deploy Antenna

Fully Automatic!





WINEGARD®

REAL-TIME BROADBAND COMMUNICATION ANYWHERE

WX SERIES

GENERAL INFORMATION

Reflector Type

Optics Offset

BUC Supported*

Polarization*

Mount Geometry



WX980

.98 m Glass Fiber
Reinforced Polyester SMC
Prime Focus Offset Feed
15 lbs. / 12" L x 7.75" W x 5.5" H
Cross-pol
Elevation Over Azimuth



WX1200

1.2 m .8 F/D Glass Fiber
Reinforced Polyester SMC
Prime Focus Offset Feed
15 lbs. / 12" L x 7.75" W x 5.5" H
Cross-pol
Elevation Over Azimuth

DIMENSIONS

Stowed Dimensions

Max Deployed Height

Mount Rail Width

Weight

15" H x 70.5" L x 39.5" W
71.5"
13"
140 lbs. Approx

15" H x 85.75" L x 49" W
84"
13"
150 lbs. Approx

MECHANICAL

Range Of Motion: Azimuth

Elevation

Polarization

Speed: Deploying Elevation

Stowing Elevation

Deploying Azimuth

Time to Acquisition

Motors: Elevation

Azimuth

Polarization

Drive Override

375° (+/- 187.5°)
5° to 90° Operational
+/- 90°
4.6° Per Second
5.0° Per Second
7.5° Per Second
< 2 Minutes (Typical)
24V HD Linear Actuator (0.1° Resolution)
24V HD Brushless Motor (0.1° Resolution)
24V HD Brushless Motor (0.1° Resolution)
Electrical Elevation, Manual for AZ and SK

375° (+/- 187.5°)
5° to 100° Operational
+/- 90°
4.6° Per Second
5.0° Per Second
7.5° Per Second
< 2 Minutes (Typical)
24V HD Linear Actuator (0.1° Resolution)
24V HD Brushless Motor (0.1° Resolution)
24V HD Brushless Motor (0.1° Resolution)
Electrical Elevation, Manual for AZ and SK

RF

Tx Interface

Rx Interface

Frequency Range: Rx

Tx

Gain (Midband): Rx

Tx

VSWR Rx & Tx

Beamwidth: Rx

Tx

Radiation Pattern Compliance

Antenna Noise Temperature

Cross Pol Isolation on Axis Rx & Tx (Minimum)

Isolation port to port (Minimum): Rx

Tx

Waveguide - 3' WR75
Flange Flexible and Twistable Waveguide
WR75 Flange
10.95 - 12.75 Ghz
13.75 - 14.50 Ghz
39.8 dBi
41.3 dBi
1.3:1
1.8° (-3 dB), 3.3° (-10 dB)
1.5° (-3 dB), 2.8° (-10 dB)
FCC § 25.209
47K (20° EI), 46K (30° EI)
30 dB
35 dB
80 dB

Waveguide - 3' WR75
Flange Flexible and Twistable Waveguide
WR75 Flange
10.95 - 12.75 Ghz
13.75 - 14.50 Ghz
41.5 dBi
43 dBi
1.3:1
1.4° (-3 dB), 2.4° (-10 dB)
1.2° (-3 dB), 2.1° (-10 dB)
FCC § 25.209
46K (20° EI), 43K (30° EI)
30 dB
35 dB
80 dB

ENVIRONMENTAL

Wind: Operational Deployed

Survival Deployed

Survival Stowed

Temperature: Operational

Survival

Snow Load

50+ MPH
75 MPH
150 MPH
-40°F to 127°F (-40°C to +50°C)
-58°F to 176°F (-50°C to +80°C)
8" deep (@8 lbs/cu. ft)

50+ MPH
75 MPH
150 MPH
-40°F to 127°F (-40°C to +50°C)
-58°F to 176°F (-50°C to +80°C)
8" deep (@8 lbs/cu. ft)

ELECTRICAL

Controller Dimensions

Power Supply: Input

Running Load

Output

Electrical Data Interface*

Transmit (Tx)*

Receive (Rx)*

Sensors

2U 19" Rack Mountable
100-250V 3A Max
47-63Hz 300W Max
48V 6.7A Max
RG6 60' (18.25 m)
RG6 Compression F Connector
RG6 Compression F Connector
GPS
Compass +/- 15°
Tilt +/- .5°

2U 19" Rack Mountable
100-250V 3A Max
47-63Hz 300W Max
48V 6.7A Max
RG6 60' (18.25 m)
RG6 Compression F Connector
RG6 Compression F Connector

*OPTIONS

Larger BUCs supported using Big BUC Mounting Hardware • Co-Pol • Thermal Formed Rear Cover • RG11 Cables



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