WINEGARD®

REAL-TIME BROADBAND COMMUNICATION ANYWHERE

WINEGARD PROVIDES
COMPLETE GLOBAL
COMMUNICATIONS
SOLUTIONS.

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.

The fully-integrated two-way controller features single-button operation without requiring an external PC. The Controller is rack-mountable, and the built-in DVB receiver and GPS makes the Winegard Two-Way Controller work on most platforms available in the industry including HughesNet™, iDirect, SpaceNet®, Comtech®, and Nera.

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

SPA Series Fixed Pole Mount 2-Way Antennas

Winegard SPA Series antennas are economically priced, fixed-pole mounted, communications satellite antennas. The Winegard SPA is a motorized auto-acquiring, multi-platform dish antenna that can be mounted to portable or permanent bases. Commonly used in oil and gas industries and military applications.

The SPA has multiple deployment sensors for quick signal acquisition, including a global positioning satellite, a compass and a tilt sensor. The antennas are operational in winds of up to 50 mph, a critical consideration for off-shore applications, and can survive up to 150 mph winds.

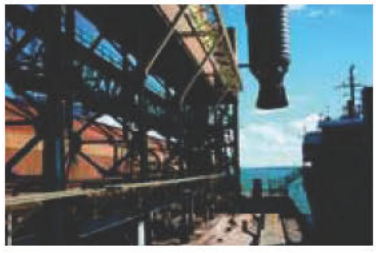
Buy Now!

SPA980
.98 m Multi-Platform, Fixed-Base

SPA1200
1.2 m Multi-Platform, Fixed-Base

SPA1200 with Custom Skid Mount

SPA1800
1.8 m Multi-Platform, Fixed Base



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SPA SERIES

	SPA980	SPA1200	SPA1800
GENERAL INFORMATION			
Reflector Type	.98 m Glass Fiber Reinforced Polyester SMC	1.2 m Glass Fiber Reinforced Polyester SMC	1.8 m Glass Fiber Reinforced Polyester SMC
Optics Offset	Prime Focus Offset Feed	Prime Focus Offset Feed	Prime Focus Offset Feed
BUC Supported*	15 lbs. / 12" L x 7.75" W x 5.5" H	15 lbs. / 12" L x 7.75" W x 5.5" H	6 lbs. / 7.35" L x 6.54" W x 3" H
Polarization*	Cross pol	Cross pol	Cross pol
Mount Geometry	Elevation Over Azimuth	Elevation Over Azimuth	Elevation Over Azimuth
DIMENSIONS			
Stowed Dimensions	NA	NA	NA
Max Deployed Height	60" on 30" tall post	88" on 30" tall post	92" on 30" tall post
Mount Rail Width	NA	NA	NA
Weight	86 lbs. Approx	95 lbs. Approx	200 lbs. Approx
MECHANICAL			
Range Of Motion: *Azimuth*	342° (+/ 171°)	342° (+/ 171°)	342° (+/ 171°)
Elevation	12° to 93° Operational	12° to 93° Operational	12° to 93° Operational
Polarization	+/ 90°	+/ 90°	+/ 90°
Speed: *Deploying Elevation*	4.6° Per Second	4.6° Per Second	4.6° Per Second
Stowing Elevation	5.0° Per Second	5.0° Per Second	5.0° Per Second
Deploying Azimuth	0.4° Per Second	0.4° Per Second	0.4° Per Second
Time to Acquisition	< 2 Minutes (Typical)	< 2 Minutes (Typical)	< 2 Minutes (Typical)
Motors: *Elevation*	36V HD Linear Actuator (0.1° Resolution)	36V HD Linear Actuator (0.1° Resolution)	36V HD Linear Actuator (0.1° Resolution)
Azimuth	24V HD Brushless Motor (0.1° Resolution)	24V HD Brushless Motor (0.1° Resolution)	24V HD Brushless Motor (0.1° Resolution)
Polarization	24V HD Brushless Motor (0.1° Resolution)	24V HD Brushless Motor (0.1° Resolution)	24V HD Brushless Motor (0.1° Resolution)
Drive Override	Electrical Elevation, Manual for AZ and SK	Electrical Elevation, Manual for AZ and SK	Electrical Elevation, Manual for AZ and SK
RF			
Tx Interface	Waveguide 3' WR75 Flange Flexible & Twistable Waveguide w/O ring groove	Waveguide 3' WR75 Flange Flexible and Twistable Waveguide	WR75 Flange Flange Flexible and Twistable Waveguide
Rx Interface	WR75 Flange	WR75 Flange	WR75 Flange
Frequency Range: *Rx*	10.95 12.75 Ghz	10.95 12.75 Ghz	10.95 12.75 Ghz
Tx	13.75 14.50 Ghz	13.75 14.50 Ghz	13.75 14.50 Ghz
Gain (Midband): *Rx*	39.8 dBi	41.5 dBi	45.3 dBi
Tx	41.3 dBi	43 dBi	46.6 dBi
VSWR Rx & Tx	1.3:1	1.3:1	1.3:1 Tx / 1.5:1 Rx
Beamwidth: *Rx*	1.8° (3 dB), 3.3° (10 dB)	1.4° (3 dB), 2.4° (10 dB),	1.0° (3 dB), 2.4° (10 dB),
Tx	1.5° (3 dB), 2.8° (10 dB)	1.2° (3 dB), 2.1° (10 dB)	0.8° (3 dB), 2.1° (10 dB)
Radiation Pattern Compliance	FCC § 25.209	FCC § 25.209	FCC § 25.209
Antenna Noise Temperature	47K (20° El), 46K (30° El)	46K (20° El), 43K (30° El)	28K (20° El), 23K (30° El)
Cross Pol Isolation on Axis Rx & Tx (Minimum)	30 dB	30 dB	30 dB
Isolation port to port (Minimum): *Rx*	35 dB	35 dB	35 dB
Tx	80 dB	80 dB	80 dB
ENVIRONMENTAL			
Wind: *Operational Deployed*	50+ MPH	50+ MPH	50+ MPH
Survival Deployed	75 MPH	75 MPH	75 MPH
Survival Stowed	NA	NA	NA
Temperature: *Operational*	40°F to 127°F (40°C to +50°C)	40°F to 127°F (40°C to +50°C)	40°F to 127°F (40°C to +50°C)
Survival	58°F to 176°F (50°C to +80°C)	58°F to 176°F (50°C to +80°C)	58°F to 176°F (50°C to +80°C)
Snow Load	NA	NA	NA
ELECTRICAL			
Controller Dimensions	2U 19" Rack Mountable	2U 19" Rack Mountable	2U 19" Rack Mountable
Power Supply: *Input*	100 250V 3A Max	100 250V 3A Max	100 250V 3A Max
Running Load	47 63Hz 300W Max	47 63Hz 300W Max	47 63Hz 300W Max
Output	48V 6.7A Max	48V 6.7A Max	48V 6.7A Max
Electrical Data Interface*	G66 60' (18.25 m)	G66 60' (18.25 m)	G66 60' (18.25 m)
Transmit (Tx)*	RG6 Compression F Connector	RG6 Compression F Connector	RG6 Compression F Connector
Receive (Rx)*	RG6 Compression F Connector	RG6 Compression F Connector	RG6 Compression F Connector
Sensors	GPS Compass +/ 15° Tilt +/ .5°	GPS Compass +/ 15° Tilt +/ .5°	GPS Compass +/ 15° Tilt +/ .5°

***OPTIONS**

Larger BUCs supported using Big BUC Mounting Hardware • Co Pol • RG11 Cables

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