

## China Starwin 1.2m Ku Band Flyaway Antenna Datasheet



China Starwin 1.2m flyaway aluminium manual antenna is a well designed portable antenna for fly-away VSAT communications. It has advantages of light, stable structure, good electronic specifications and easy to operate... Without help of any tools, two experienced technicians can install the antenna in 5 min. When properly fix the legs of antenna on the ground (such as press heavy sand bag on the legs), the antenna can work in strong wind.

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<b>SW12CKFLW-(ALM) Performance Specifications</b>				
<b>Electrical Specifications</b>	<b>C-Rx</b>	<b>C-Tx</b>	<b>Ku-Rx</b>	<b>Ku- Tx</b>
Frequency, GHz	3.625~4.2	5.85~6.425	10.95~12.75	13.75~14.5
Typical Gain, dBi	32.4	35.7	41.5	43
VSWR	1.25:1	1.25:1	1.25:1	1.25:1
Power Capability		5kw/port		1kw/port
-3dB Beam Width			1.4°	1.2°
Feed Interface	CPR-229G	CPR-159G/137G	WR-75	WR-75
Feed Insertion Loss	0.15dB	0.17dB	0.20dB	0.30dB
Port-Port Isolation (Tx-Rx)	85dB		85dB	
Cross Polarization Isolation (on axis)	33dB	33dB	33dB	33dB
First Sidelobes	-14db			
Other Sidelobe 1° -15 °	32-25 LogAdB		29-25 LogAdB	
<b>Mechanical Specifications</b>				
Azimuth Travel	360°			
Elevation Travel	8°to 90°			
Polarization Travel	± 90°			
Surface Accuracy	0.3mm			
Finish	Paint			
Panel Quantity	6 pcs			
Package Dimension	850 × 600 × 400 mm			
Antenna Weight	23kg (Net weight) / 37kg (Package weight)			
<b>Environmental Specifications</b>				
Operational Winds	25m/s (Need the counterweight)			
Survival Winds (Any Position)	56m/s			
Ambient Temperature	-40°to 60°C			
Relative Humidity	0% to 100%			
Solar Radiation	360BTU/H/ft2			
Rain (Operational and survival)	16cm/hour			