



Norsat
International Inc.

Innovative Communication Solutions

WAYFARER™ Fixed Antenna

Norsat's WAYFARER fixed antennas deliver adaptable and dependable solutions for semi-permanent SATCOM installations in remote locations.

Key Features

- 1.2m and 1.8 Composite (SMC) Reflectors
- Ku Band model available
- Fast, simple installation
- Manual acquisition for robust, weather-proof durability
- Mast and non-penetrating mount options
- Wide selection of BUC and LNB options

Typical Applications

Ideal applications include:

- Rural / Remote Broadband, crew welfare
- Temporary / Remote mobile communications
- Mining, oil & gas – exploration / field camp offices
- Construction – remote site offices

RF Options & Accessories

- Mast (Kingpost) and non-penetrating mast mount (NPMM) mounts
- Ku-band BUC options = 4W, 8W, 16W

The Norsat Advantage

All Commercial Fixed Antenna systems are supported by Norsat's global customer support team, who provide assistance for a range of technical issues. Customer support may include installation, training, trouble-shooting, application support, and 24/7/365 support is available to support mission critical applications.



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WAYFARER FIXED ANTENNA SYSTEM

Electrical

Reflector Aperture	1.2m
Polarization	Linear
Tx Frequency	14.00 - 14.50 GHz
Rx Frequency	10.95 - 12.75 GHz
Tx Gain	43.5 dBi, \pm 0.2 dB
Rx Gain	41.5 dBi, \pm 0.2 dB
Cross Polarization (Any angle, Off Axis)	-25 dB max.
VSWR	1.3:1 Max. Tx 1.3:1 Max. Rx

Mechanical

Reflector Material	Glass Fiber Reinforced Polyester SMC
Antenna Optics	Prime Focus, One-Piece Offset Feed
Mount Type	Elevation Over Azimuth
Mast Pipe Size	2.5" SCH 40 Pipe (2.88" OD) 73.2 mm
Elevation Adjustment Range	5° to 90°, Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous
Shipping Specifications	90 lbs (41 kg)
(Approx. Net Weight)	

Environmental Performance

Wind Loading	
Operational	80 km/h
Survival	201 km/h
Temperature	
Operational	-40° to 140° F (-40° to 60° C)
Rain	
Operational	13 mm/h
Atmospheric Conditions	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Relative Humidity	0 to 100% with Condensation
Solar Radiation	360 BTU/h/ft ²