

WFA-100228

WAYFARER 1.0m Ku-Band Auto Flyaway Antenna

The Norsat WAYFARER™ commercial 1.0m fly-away antenna is a fast deploying, easy-to-use, and compact SATCOM VSAT. This antenna is an excellent choice for commercial applications in various industries. The 1.0m fly-away antenna offers excellent rugged and reliable satellite links for remote enterprise, energy, emergency, and media applications.



KEY SPECIFICATIONS

Antenna Aperture	1.0m
Band	Low Ku-Band

ANTENNA SPECIFICATIONS

Acquisition And Tracking	Automatic
Auto Acquisition Time	≤ 3 min
Azimuth Range	± 200°
Azimuth Speed	0.1°/s - 3°/s
Cross Polarization Isolation	35 dB (On Axis)
Elevation Range	10°- 90°
Elevation Speed	0.1°/s - 3°/s
Feed Configuration	Ring Focus
Pointing Accuracy	≤ 0.3 dB (R.M.S.)
Polarization	Linear (Co-Pol)
Polarization Range	± 90°
Polarization Speed	1°/s
Tracking Mode	Beacon / DVB Carrier

RF SPECIFICATIONS

Feed Interface	WR-75
Movement Platform	Motorized Elevation over Azimuth
Rx Frequency	10.70 to 11.70 GHz
Rx Gain	39 dBi + 20log (f/11.0) dBi
Sidelobe	-14 dB (First Sidelobe)
Tx Frequency	12.75 to 13.50 GHz

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Tx Gain	40.1 + 20log (f/13.0) dBi
Tx Rx Isolation	50 dB

ELECTRICAL SPECIFICATIONS

Power Requirements	220 VAC 50 Hz, 80 Watt max
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ENVIRONMENTAL SPECIFICATIONS

Humidity	0 - 95%
Temperature Operational	-40°C to +55°C (Antenna Only)
Temperature Storage	-50°C to +70°C (Antenna Only)
Weatherproofing	IP 65 (Antenna Only)
Windspeed Operational	11 m/s (with ballast)
Windspeed Survival	18 m/s (with ballast)

PHYSICAL SPECIFICATIONS

AC Plug	EU Plug: CEE 7/7
Antenna Controller	Handheld
Number Of Cases	Two Cases
Product Weight	≤ 23.6 kg (excluding BUC, packaging and accessories)
Reflector Material	Carbon Fiber

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8529109090	Made in China	Hong Kong	EAR99	108 mm x 80 mm x 42 mm

MECHANICAL DIAGRAMS