

WAYFARER™ WFA120KA

1.2m Ka-Band Auto Fly-Away

The Norsat WAYFARER™ commercial 1.2m 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 WAYFARER 1.2m fly-away antenna offers excellent rugged and reliable satellite links for remote enterprise, energy, emergency, and media applications.



FEATURES

- Easy and intuitive LinkControl™ Interface
- Rugged and lightweight pedestal design
- Lightweight and durable 8 segment carbon fiber reflector
- Fast, simple, tool-free deployment
- Automatic 3-axis acquisition
- 2-case packing solution
- Wide range of Norsat BUC and LNB configurations
- Set up in 5 minutes

ELECTRICAL SPECIFICATIONS (1/2)

Reflector aperture	1.2m
Reflector material	Carbon fiber
Feed configuration	Center
Tx frequency	29.0 to 31.0 GHz
Rx frequency	18.7 to 21.2 GHz
Tx gain	46.4 dBi @ 29.0 GHz
Rx gain	43.3 dBi @ 18.7 GHz
Polarization	Circular
Cross polarization (axial ratio)	1.5dB
Tx/Rx isolation (port isolation)	Tx ≥ 100 dB
Sidelobe	First sidelobe < -14 dB
Azimuth range	±200°
Elevation range	10° to 90°
Azimuth speed	0.1°/s to 3°/s
Elevation speed	0.1°/s to 3°/s

ACCESSORY OPTIONS (1/2)

BUC OPTIONS	BUC	BUC POWER SUPPLY	BUC M & C CABLE	BUC MOUNTING BRACKETS
2W	ELMTBKU002	Via IFL Cable Connection	Not Applicable	Not Required
3W	ELMTBKU003	Via IFL Cable Connection	Not Applicable	Not Required
4W	ELMTBKU004	Via IFL Cable Connection	Not Applicable	Not Required
6W	ELMTBKU006	Via IFL Cable Connection	Not Applicable	WFM090KUMT-006
8W	ELMTBKU008	Via IFL Cable Connection	Not Applicable	WFM090KUMT-008
10W	ELMTBKU010	Via IFL Cable Connection	Not Applicable	WFM090KUMT-010

ELECTRICAL SPECIFICATIONS (2/2)

Polarization speed	0.1°/s to 1°/s
Feed interface	Tx: WR28 Rx: WR42
Power supply	AC110-230V 50/60Hz, rated 200W, 550W max

MECHANICAL SPECIFICATIONS

Ruggedized weatherproof case

Case 1 Pedestal assembly	Size: 79.5 cm (L) x 51.8 cm (W) x 31 cm (H); Weight: ≤ 32Kg
Case 2 Reflector / feed	Size: 84.5 cm (L) x 62 cm (W) x 49 cm (H); Weight: ≤ 32Kg

ENVIRONMENTAL SPECIFICATIONS

Wind load - operational	49 km/h
Wind load - survival	100 km/h
Operational Temperature	-30°C to +50°C
Storage Temperature	-50°C to +70°C
Humidity	0-95%
Water ingress	IP 65 (antenna only)



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ACCESSORY OPTIONS (2/2)

BUC OPTIONS	BUC	BUC POWER SUPPLY	BUC M & C CABLE	BUC MOUNTING BRACKETS
16W	ATOMBKU016	PS300-AT1(NA/UK/EU/IEC)	CABLEM+C-AT10	WFA120KUMT-024
20W	ATOMBKU020	PS300-AT1(NA/UK/EU/IEC)	CABLEM+C-AT10	WFA120KUMT-024
40W	ATOMBKU040	PS300-AT1(NA/UK/EU/IEC)	CABLEM+C-AT10	WFA120KUMT-024

LNB OPTIONS	SERIES
LNB	1000H or HS1000

IFL CABLE OPTIONS	NN-FF	NN-NN	FN-NN	FN-FF
IFL Cable (10m)	IFL-NN-FF-10	IFL-NN-NN-10	IFL-FN-NN-10	IFL-FN-FF-10

INTEGRATION

WF-INT Assembly, function verification, and pointing test (standard product/RF packages only)

