



WAYFARER™ WFA120KU

1.2m Ku-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 web-based LinkControl™ Interface
- Rugged and lightweight pedestal design
- Lightweight and durable 6 segment carbon fiber reflector
- Fast, simple, tool-free deployment
- Automatic 3-axis acquisition
- Manual backup pointing operation
- 2-case packing solution
- Wide range of Norsat BUC and LNB configurations
- Set up in 5 minutes



SPECIFICATIONS

ELECTRICAL

Reflector aperture	1.2m
Reflector material	Carbon fiber
Feed configuration	Center
Tx frequency	13.75 to 14.50 GHz
Rx frequency	10.70 to 12.75 GHz
Tx gain	42.8 + 20log (f/14.125) dBi
Rx gain	41.5 dBi + 20log (f/11.85) dBi
Polarization	Linear
Cross polarization (On-Axis)	≥35 dB
Tx/Rx isolation (port isolation)	Tx: ≥ 85 dB; Rx: ≥ 40 dB
Sidelobe	First sidelobe -14 dB
Azimuth range	± 200°
Elevation range	10° to 90°
Polarization range	± 90°
Azimuth speed	0.1°/s to 3°/s
Elevation speed	0.1°/s to 3°/s
Polarization speed	0.1°/s to 1°/s
Feed interface	WR75
Power supply	AC110-230V 50/60Hz, rated 200W, 550W max

PACKAGING

Fiberboard case		
Case 1	Pedestal assembly	Size: 66 cm (L) x 48 cm (W) x 46 cm (H); Weight: ≥26Kg
Case 2	Reflector / feed	Size: 66 cm (L) x 48 cm (W) x 46 cm (H); Weight: ≥17Kg
Ruggedized weatherproof case		
Case 1	Pedestal assembly	Size: 66 cm (L) x 48 cm (W) x 46 cm (H); Weight: ≥29Kg
Case 2	Reflector / feed	Size: 66 cm (L) x 48 cm (W) x 46 cm (H); Weight: ≥20Kg

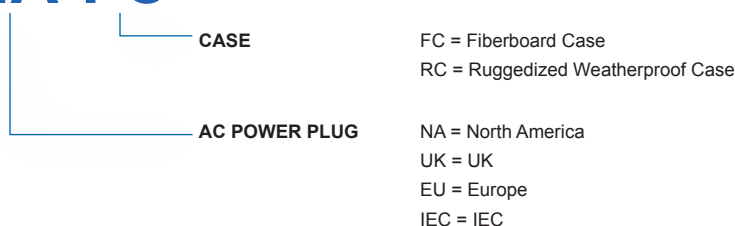
ENVIRONMENTAL

Wind load - operational	36 km/h
Wind load - survival	61 km/h
Temperature	-40°C to +60°C
Humidity	0-95%
Water ingress	IP 65 (antenna only)

WAYFARER WFA120KU 1.2M KU-BAND AUTO FLY-AWAY ANTENNA

HOW TO ORDER

WFA120KU-NA-FC



ACCESSORY OPTIONS

BUC OPTIONS

	4W	6W	8W	20W	40W
BUC	BUC-ELMTKU004	BUC-ELMTKU006	BUC-ELMTKU008	ATOMBKU020	ATOMBKU040
BUC power supply	n/a	n/a	n/a	PS-300ATKU	
BUC M & C cable	n/a	n/a	n/a	CABLEM+C-AT10	
BUC mounting brackets	WFA120KUMT-004	WFA120KUMT-006	WFA120KUMT-008	WFA120KUMT-024	

LNB OPTIONS

LNB	1000H or HS1000
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IFL CABLE OPTIONS

	N - F	N - N	F - F
IFL Cable (10m)	CABLEIFLNF-10	CABLEIFLNN-10	CABLEIFLFF-10

INTEGRATION

Assembly, function verification, pointing test (standard product/RF packages only)

Custom integration (anything other than standard product/RF packages)