



WAYFARER™ WFA180KU

1.8m Ku-Band Auto Fly-Away

The Norsat WAYFARER™ commercial 1.8m 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 1.8m fly-away antenna offers excellent rugged and reliable satellite links for remote enterprise, energy, emergency, and media applications.

FEATURES

- Easy and intuitive LinkControl™ Interface
- Lightweight and durable carbon fiber reflector
- Fast, simple, tool-free deployment
- Automatic 3-axis acquisition
- Manual backup pointing operation
- 6-case packing solution
- Wide range of Norsat BUC and LNB configurations



SPECIFICATIONS

ELECTRICAL

Reflector aperture	1.8m
Reflector material	Carbon fiber
Reflector type	Offset
Tx Frequency	13.75 to 14.5 GHz
Rx Frequency	10.70 to 12.75 GHz
Tx Gain	46.3+20log(f/14.25) dBi
Rx Gain	45.3+20log(f/12.5) dBi
Polarization	Linear
Cross polarization (On-Axis)	≥35dB
Rx/Tx isolation	Rx > 35dB Tx > 85dB
Sidelobe	First sidelobe < -14 dBi
Azimuth range	±180°
Elevation range	0° to 90°
Polarization range	±90°
Feed interface	WR75
Azimuth speed	0.1°/s to 3°/s
Elevation speed	0.1°/s to 3°/s
Polarization speed	0.1°/s to 1°/s
Power supply	AC110-230V 50/60Hz, rated 400W, 1000W max

PACKAGING

Fiberboard case		
Case 1	Reflector	Size: 121 cm (L) x 44 cm (W) x 68 cm (H); Weight: ≤50Kg
Case 2	Pedestal assembly	Size: 131 cm (L) x 72 cm (W) x 32 cm (H); Weight: ≤50Kg
Case 3	Feed push rods	Size: 78 cm (L) x 54 cm (W) x 32 cm (H); Weight: ≤50Kg
Case 4	Support arms	Size: 119 cm (L) x 39 cm (W) x 52 cm (H); Weight: ≤50Kg
Case 5	Rotary table	Size: 60 cm (L) x 48 cm (W) x 68 cm (H); Weight: ≤50Kg
Case 6	Legs	Size: 151 cm (L) x 52 cm (W) x 35 cm (H); Weight: ≤50Kg

ENVIRONMENTAL

Wind load - operational	40 km/h
Wind load - survival	65 km/h
Temperature	-30°C to +60°C
Humidity	0-95% (20°C)
Water ingress	IP 65 (antenna only)

WAYFARER WFA180KU 1.8M KU-BAND AUTO FLY-AWAY ANTENNA

HOW TO ORDER

WFA180KU-NA

AC POWER PLUG

NA = North America

UK = UK

EU = Europe

IEC = IEC

ACCESSORY OPTIONS

BUC OPTIONS

	8W	20W	40W	80W
BUC	BUC-ELMTKU008	ATOMBKU020	ATOMBKU040	ATOMBKU080
BUC power supply	n/a	PS-300ATKU-(NA/UK/EU/IEC)	PS-300ATKU-(NA/UK/EU/IEC)	PS-600ATKU-(NA/UK/EU/IEC)
BUC M & C cable	n/a	CABLEM+C-AT10	CABLEM+C-AT10	CABLEM+C-AT10
BUC mounting brackets	WFA180KUMT-008	WFA180KUMT-024	WFA180KUMT-024	WFA180KUMT-080

LNB OPTIONS

LNB 1000H or HS1000

IFL CABLE OPTIONS

IFL Cable (10m)

NN-FF

WFIFLNN-FF-10

NN-NN

WFIFLNN-NN-10

MODEM CABLE OPTION (For iDirect product only)

MOD-CABLE

UNIVERSAL AC POWER PLUG

WFAACPWR-U

INTEGRATION

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

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