



### 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 (NEMA 5/15)  
UK = United Kingdom (BS 1363)  
EU = Europe (CEE 7/7)  
IEC = IEC (60320 CIA)  
CN = China (Type I Plug)

## 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

	NN-FF	NN-NN
IFL Cable (10m)	WFIFLNN-FF-10	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)