

Innovative Communication Solutions

WAYFARER™ WFM180KU

1.8m Ku-Band Manual 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
- · Rugged and lightweight pedestal design
- · Lightweight and durable carbon fiber reflector
- · Fast, simple, tool-free deployment
- · 2-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
 10.7 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

PACKAGING

Fiberboard case

Case 1 Reflector Size:145 cm (L) x 77 cm (W) x 82 cm (H);

Weight:≤85Kg

Case 2 Pedestal assembly Size: 166 cm (L) x 66 cm (W) x 59 cm (H);

Weight: ≤64Kg

ENVIRONMENTAL

 Wind load - operational
 40 km/h

 Wind load - survival
 65 km/h

 Temperature
 -40°C to +60°C

 Humidity
 0-95% (20°C)

 Water ingress
 IP 65 (antenna only)



WAYFARER WFM180KU 1.8M KU-BAND MANUAL FLY-AWAY ANTENNA

HOW TO ORDER

WFM180KU

ACC	ESSO	RY O	PTIO	NS

BUC OPTIONS	8W	20W	40W	80W
BUC	BUC-ELMTKU008	ATOMBKU020	ATOMBKU040	ATOMBKU080
BUC power supply	n/a	PS300-AT1(NA/UK/EU/IEC/CN)	PS480-AT1(NA/UK/EU/IEC/CN)	PS600-AT1(NA/UK/EU/IEC/CN)
BUC M & C cable	n/a	CABLEM+C-AT10	CABLEM+C-AT10	CABLEM+C-AT10
BUC mounting brackets	WFM180KUMT-008	WFM180KUMT-024	WFM180KUMT-024	WFM180KUMT-080

LNB OPTIONS

LNB 1000H or HS1000

 IFL CABLE OPTIONS
 FF-FF
 NN-FF
 NN-NN

 IFL Cable (10m)
 WIFLFF-FF-10
 WIFLNN-FF-10
 WIFLNN-NN-10

INTEGRATION

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

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

