



### 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 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



#### 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 |

##### MECHANICAL

|                              |                   |                                                             |
|------------------------------|-------------------|-------------------------------------------------------------|
| Ruggedized weatherproof case |                   |                                                             |
| Case 1                       | Pedestal assembly | Size: 84.5 cm (L) x 62 cm (W) x 49 cm (H);<br>Weight: ≤30Kg |
| Case 2                       | Reflector / feed  | Size: 84.5 cm (L) x 62 cm (W) x 49 cm (H);<br>Weight: ≤22Kg |

##### ENVIRONMENTAL

|                         |                      |
|-------------------------|----------------------|
| Wind load - operational | 36 km/h              |
| Wind load - survival    | 61 km/h              |
| Temperature             | -30°C to +60°C       |
| Humidity                | 0-95%                |
| Water ingress           | IP 65 (antenna only) |



# WAYFARER WFA120KU 1.2MKU-BAND AUTO FLY-AWAY ANTENNA

## HOW TO ORDER

### WFA120KU-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

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

WFA120KUMT-006

8W

ELMTBKU008

Via IFL Cable Connection

Not Applicable

WFA120KUMT-008

10W

ELMTBKU010

Via IFL Cable Connection

Not Applicable

WFA120KUMT-010

16W

ATOMBKU016

PS300-AT1(NA/UK/EU/IEC/CN)

CABLEM+C-AT10

WFA120KUMT-024

20W

ATOMBKU020

PS300-AT1(NA/UK/EU/IEC/CN)

CABLEM+C-AT10

WFA120KUMT-024

40W

ATOMBKU040

PS480-AT1(NA/UK/EU/IEC/CN)

CABLEM+C-AT10

WFA120KUMT-024

### LNB OPTIONS

LNB

1000H or HS1000 Series, with Type F (75 Ohm) Connector

### IFL CABLE OPTIONS

IFL Cable (10m)

NN-FF

IFL-NN-FF-10

NN-NN

IFL-NN-NN-10

FN-NN

IFL-FN-NN-10

FN-FF

IFL-FN-FF-10

### MODEM CABLE OPTION (For iDirect product only)

MOD-CABLE

## INTEGRATION

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

Custom integration also available. Contact [sales@norsat.com](mailto:sales@norsat.com) for more information.



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