



### WAYFARER™ WDA180KU

#### 1.8m Ku-Band Drive-Away

Norsat's solution for reliable and easy-to-deploy mobile communications. The solid, low weight, and low height reflector mount deploys easily for fast and reliable satellite acquisition. Whether mounted on an emergency vehicular command center or a mobile broadcast van – count on Norsat's WAYFARER™ drive-away terminals for drive-away broadband-level communications capability.

#### FEATURES

- Easy and intuitive LinkControl™ Interface
- Heavy duty platform and reflector folding design
- Lightweight and durable carbon fiber reflector
- Fast, simple, intuitive one-button deployment on ACU
- From “stow-to-go” in under 3 minutes
- Automatic 3-axis acquisition
- Wide range of Norsat BUC and LNB configurations
- Includes easy-to-use 1RU ACU for easy indoor operation



### 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                      | 45.0+20log(f/12.5) dBi                    |
| Polarization                 | Linear                                    |
| Cross polarization (On-Axis) | ≥35 dB                                    |
| Rx/Tx isolation              | Rx ≥ 40dB Tx ≥ 85 dB                      |
| Sidelobe                     | First sidelobe ≤ -14 dB                   |
| Azimuth range                | ± 200°                                    |
| Elevation range              | 10° to 90°                                |
| Polarization range           | ± 90°                                     |
| Azimuth speed                | 0.1°/s to 6°/s                            |
| Elevation speed              | 0.1°/s to 6°/s                            |
| Polarization speed           | 0.1°/s to 6°/s                            |
| Feed interface               | WR75                                      |
| Power supply                 | AC110-230V 50/60Hz, rated 400W, 1000W max |

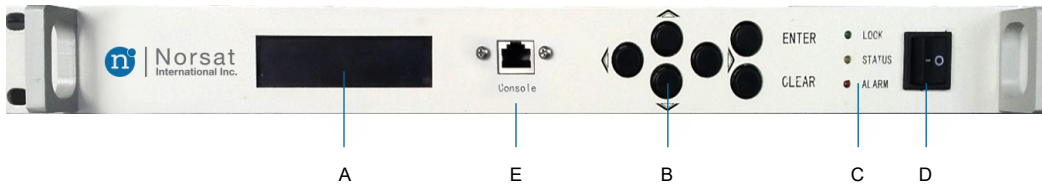
#### MOUNTING

|             |                                     |
|-------------|-------------------------------------|
| Weight      | ≤140kg (not including BUC)          |
| Stowed size | 249 cm (L) × 180 cm (W) × 49 cm (H) |

#### ENVIRONMENTAL

|                         |                |
|-------------------------|----------------|
| Wind load - operational | 72 km/h        |
| Wind load - survival    | 90 km/h        |
| Temperature             | -30°C to +55°C |
| Humidity                | 5-95%          |
| Water ingress           | IP 65          |

# WAYFARERWDA180KU1.8MKU-BANDDRIVE-AWAYANTENNA



- A - Primary ACU Display
- B - Navigation / Entry keys
- C - Status Indicator
- D - Power Switch
- E - Firmware Upgrade Console Input

## HOW TO ORDER

# WDA180KU-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 | WDA180KUMT-008 | WDA180KUMT-024            | WDA180KUMT-024            | WDA180KUMT-080            |

### LNB OPTIONS

|     |                 |
|-----|-----------------|
| LNB | 1000H or HS1000 |
|-----|-----------------|

### IFL CABLE OPTIONS

|                 | NN-FF         | NN-NN         |
|-----------------|---------------|---------------|
| IFL Cable (10m) | WDIFLNN-FF-10 | WDIFLNN-NN-10 |

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

#### MOD-CABLE

## INTEGRATION

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

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

