



### 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

# WAYFARER WDA180KU 1.8M KU-BAND DRIVE-AWAY ANTENNA



- 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

### WIND DEFLECTOR

WDA180WIND

### INTEGRATION

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

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

