



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

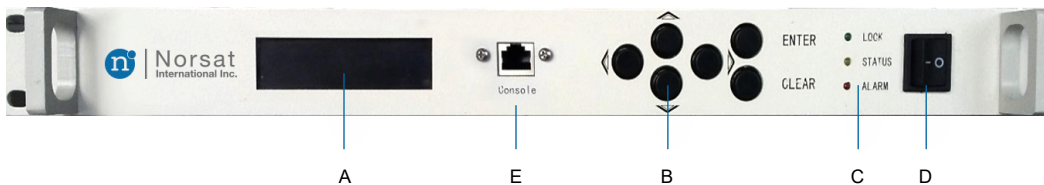
MOUNTING

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
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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)

