



WAYFARER™ WDA120KU

1.2m 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 8 minutes
- Automatic 3-axis acquisition
- Wide range of Norsat BUC and LNB configurations
- Includes easy-to-use IRU ACU for indoor operation



SPECIFICATIONS

ELECTRICAL

Reflector aperture	1.2m
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	42.8+20log(f/14.25) dBi
Rx gain	41.5+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 200W, 500W max

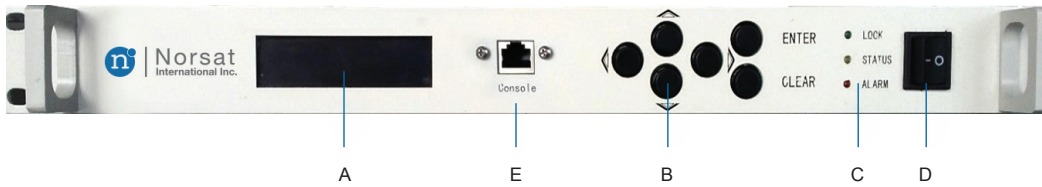
MOUNTING

Weight	≤85 Kg
Stowed size	176 cm (L) × 121 cm (W) × 42 cm (H)

ENVIRONMENTAL

Wind load - operational	72 km/h
Wind load - survival	90 km/h
Temperature	-40°C to +55°C
Humidity	0-95%
Water ingress	IP 65

WAYFARER WDA120KU 1.2M KU-BAND AUTO 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

WDA120KU-NA

AC POWER PLUG

- NA = North America (NEMA 5/15)
- UK = UK (BS 1363)
- EU = Europe (CEE 7/7)
- IEC = IEC (60320 CIA)

ACCESSORY OPTIONS

BUC OPTIONS

2W
3W
4W
6W
8W
10W
16W
20W
40W

BUC

ELMTBKU002
ELMTBKU003
ELMTBKU004
ELMTBKU006
ELMTBKU008
ELMTBKU010
ATOMBKU016
ATOMBKU020
ATOMBKU040

BUC POWER SUPPLY

Via IFL Cable Connection
Via IFL Cable Connection
Via IFL Cable Connection
Via IFL Cable Connection
Via IFL Cable Connection
Via IFL Cable Connection
PS300-AT1(NA/UK/EU/IEC)
PS300-AT1(NA/UK/EU/IEC)
PS300-AT1(NA/UK/EU/IEC)

BUC M & C CABLE

Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
CABLEM+C-AT10
CABLEM+C-AT10
CABLEM+C-AT10

BUC MOUNTING BRACKETS

WDA120KUMT-004
WDA120KUMT-004
WDA120KUMT-004
WDA120KUMT-006
WDA120KUMT-008
WDA120KUMT-010
WDA120KUMT-024
WDA120KUMT-024
WDA120KUMT-024

LNB OPTIONS

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

IFL CABLE OPTIONS

IFL Cable (10m)

NN-FF

IFL-NN-FF-10

NN-NN

IFL-NN-NN-10

WIND DEFLECTOR

WDA120WIND

INTEGRATION

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

Custom integration also available. Contact sales@norsat.com for more information.

