Norsat International Inc.

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 and tracking. 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 web-based LinkControl™ Interface
- Heavy duty platform and reflector folding design
- Lightweight and durable carbon fiber reflector
- Fast, simple, intuituve one-button deployment on ACU
- From "stow-to-go" in under 5 minutes
- Automatic 3-axis acquisition
- Wide range of Norsat BUC and LNB configurations
- Includes easy-to-use IRU ACU for easy indoor operation

SPECIFICATIONS

ELECTRICAL

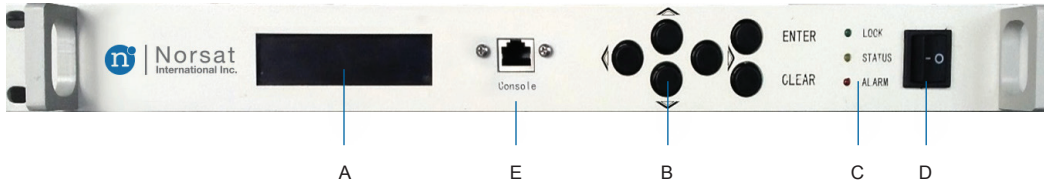|	
Reflector aperture	1.2m
Reflector material	Carbon fiber
Reflector type	Offset
Tx frequency	13.75 to 14.5 GHz
Rx frequency	10.70 to 12.75 GHz
Tx gain	42.8+20log(f/14.25) dBi
Rx gain	41.5+20log(f/12.5)dBi
Polarization	Linear
Cross polarization	≥35 dB (Axial)
Rx/Tx isolation	Rx ≥ 40dB Tx ≥ 85 dB
Sidelobe	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

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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
UK = United Kingdom
EU = Europe
IEC = IEC

ACCESSORY OPTIONS

BUC OPTIONS	4W	6W	8W	20W	40W
BUC	BUC-ELMTKU004	BUC-ELMTKU006	BUC-ELMTKU008	ATOMBKU020	ATOMBKU040
BUC power supply	n/a	n/a	n/a	PS-300ATKU-(NA/UK/EU/IEC)	
BUC M & C cable	n/a	n/a	n/a	CABLEM+C-AT10	
BUC mounting brackets	WDA120KUMT-004	WDA120KUMT-006	WDA120KUMT-008	WDA120KUMT-024	

LNB OPTIONS

LNB	1000H or HS1000

IFL CABLE OPTIONS	N - F	N - N	F - F
IFL Cable (10m)	CABLEIFLNF-10	CABLEIFLNN-10	CABLEIFLFF-10

INTEGRATION

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

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

120.7cm

106.7cm

162.5cm

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