



WAYFARER™ WFA120KU

1.2m Ku-Band Auto Fly-Away

The Norsat WAYFARER™ commercial 1.2m fly-away antenna is a fast deploying, easy-to-use, and compact SATCOM VSAT. This antenna is an excellent choice for commercial applications in various industries.

The WAYFARER 1.2m fly-away antenna offers excellent rugged and reliable satellite links for remote enterprise, energy, emergency, and media applications.

FEATURES

- Rugged and lightweight pedestal design
- Lightweight and durable 8 segment carbon fiber reflector
- Fast, simple, tool-free deployment
- Automatic 3-axis acquisition
- 2-case packing solution
- Wide range of Norsat BUC and LNB configurations
- Set up in 5 minutes



SPECIFICATIONS

ELECTRICAL

Reflector aperture	1.2m
Reflector material	Carbon fiber
Feed configuration	Center
Tx frequency	13.75 to 14.50 GHz
Rx frequency	10.70 to 12.75 GHz
Tx gain	42.8 + 20log (f/14.125) dBi
Rx gain	41.5 dBi + 20log (f/11.85) dBi
Polarization	Linear
Cross polarization (On-Axis)	≥35 dB
Tx/Rx isolation (port isolation)	Tx: ≥ 85 dB; Rx: ≥ 40 dB
Sidelobe	First sidelobe -14 dB
Azimuth range	± 200°
Elevation range	10° to 90°
Polarization range	± 90°
Azimuth speed	0.1°/s to 3°/s
Elevation speed	0.1°/s to 3°/s
Polarization speed	0.1°/s to 1°/s
Feed interface	WR75
Power supply	AC110-230V 50/60Hz, rated 200W, 550W max

MECHANICAL

Ruggedized weatherproof case

Case 1	Pedestal assembly	Size: 84.5 cm (L) x 62 cm (W) x 49 cm (H); Weight: ≤30Kg
Case 2	Reflector / feed	Size: 84.5 cm (L) x 62 cm (W) x 49 cm (H); Weight: ≤22Kg

ENVIRONMENTAL

Wind load - operational	36 km/h
Wind load - survival	61 km/h
Temperature	-30°C to +60°C
Humidity	0-95%
Water ingress	IP 65 (antenna only)

WAYFARER WFA120KU 1.2MKU-BAND AUTO FLY-AWAY ANTENNA

HOW TO ORDER

WFA120KU-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

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/CN)
PS300-AT1(NA/UK/EU/IEC/CN)
PS480-AT1(NA/UK/EU/IEC/CN)

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

Not Required
Not Required
Not Required
WFA120KUMT-006
WFA120KUMT-008
WFA120KUMT-010
WFA120KUMT-024
WFA120KUMT-024
WFA120KUMT-024

LNB OPTIONS

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

IFL CABLE OPTIONS

IFL Cable (10m)

NN-FF

IFL-NN-FF-10

NN-NN

IFL-NN-NN-10

FN-NN

IFL-FN-NN-10

FN-FF

IFL-FN-FF-10

MODEM CABLE OPTION (For iDirect product only)

MOD-CABLE

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.