

LinkaSat-90-Ku

90cm AUTO ACQUIRE SATELLITE TERMINAL FOR Ku BAND FREQUENCY



Satellite communication becomes an important part for any state or local emergency operation plan when terrestrial communication such as cellular is unavailable or goes down during natural or man-made disasters. The LinkaSat-90-Ku-ID is a lightweight auto acquire satellite system designed to work with Ku Band frequency and optional iDirect X7 modem to quickly get your team back online.

This variable two-case solution with a minimum total system weight of 87 pounds is extremely portable allowing any vehicle or personnel to move satellite service to wherever it is needed. Setup takes less than 5 minutes with no tools required and the acquisition process is performed with a single button press. Automated Ku band polarization rotator kit may be purchased to replace manual polarization to further reduce setup time.

The positioner offers a web-based user interface for setup, remote monitor and control during operation. For more details on positioner, LinkaSat-360FER-30, see datasheet N500201

Download the System Configuration Document (SCDN900928) for more details.

TECHNICAL SPECIFICATIONS - LinkaSat-90-Ku

System Details	
Setup Time	Less than 5 minutes (tool-less)
Acquistion Time	Less than 2 minutes
Power	50-57Vdc, 4 Pair PoE, Passive (Indoor Rated 50Vdc Supply Included)
Antenna Controller	Embedded in antenna positioner
User Interface	Push button deploy, stow and compass calibration
Remote User Interface	Web based hosted internal to positioner
Tracking Tools	Step track and auto repeak tools included
On Board Sensors	GPS and magnetic compass
Mechanical/Environmetal	
Deployed System Weight	56 lbs (25.4 kg)
Azimuth Travel	400° (+/-200°)
Elevation Travel	5°-90°
Az/EI Optional Manual Drive	5/16" socket drive
L-Band Interface	F-Type
Operational Temperature	-19 to 140°F (-28 to 60°C)
Non-Operational Temperature	-40 to 158°F (-40 to 70°C)
Operational Wind	35 mph
Survival Wind	60 mph (with anchors)
Transit Case Details	
Case 1, Option 1, Contents/Weight	Positioner, Quadpod & Accessories / 57 lbs (25.9 kg)
Case 1, Option 2, Contents/Weight	Positioner, Quadpod, Ku Equipment & Accessories / 70 lbs (31.8 kg)
Case 2, Option 1, Contents/Weight	Soft Case for Antenna & Feed / 30 lbs (13.6 kg)
Case 2, Option 2, Contents/Weight	Hard Case for Antenna, Feed & Ku Equipment / 99 lbs (44.9 kg)
Case 1, Option 1, Dimensions	Length: 25.7" (65cm), Width: 19.6" (50cm), Depth: 15.7" (40cm)
Case 1, Option 2, Dimensions	Length: 31.7" (81cm), Width: 20.6" (52cm), Depth: 15.7" (40cm)
Case 2, Option 1, Dimensions	Diameter: 39" (99cm) Depth: 9" (23cm)
Case 2, Option 2, Dimensions	Length: 50.0" (127cm), Width: 42.7" (108cm), Depth: 13.7" (35cm)

Specifications subject to change without notice