



# MarineLink™ COM150KU 1.5m Ku-Band Maritime Antenna

Norsat MarineLink™ COM series provides reliable satellite communication at sea with a 2048kb/s downlink and 512kb/s uplink.

The MarineLink's 3-axis operating platform and 360 degree high-speed tracking design ensures a reliable link in even the most rugged conditions.

With its simple setup and pre-programmed satellite almanac, staff with minimal training can have a MarineLink system up and transmitting in just a matter of minutes.



## FEATURES

- Advanced anti-vibration technology with built in shock absorber
- Automatic satellite search & skew control
- Fast tracking speeds (90 deg/s) for accurate and dependable signal lock
- 3-axis operating platform for reliable operations even in rough sea states (up to Sea State 6)
- Built-in motor brake and wire-rope isolator for longevity and reliability
- Unlimited azimuth for precise tracking and ease of cable management
- Intelsat qualified

## ELECTRICAL SPECIFICATIONS (1/2)

Reflector Aperture	150 cm (60 in)
Antenna Dimension	212 cm (D) x 206 cm (H)
Reflector Material	Honeycomb FRP
Antenna Weight	260 Kg
Tx Frequency	13.75 ~ 14.5 GHz
Rx Frequency	10.75 ~ 12.75 GHz
Tx Gain	45.25 dBi @ 14.25 GHz
Rx Gain	43.8 dBi @ 11.75 GHz
G/T	22.89 dB/K (in Radome) @ 30deg. Elevation angle and 11.75 GHz, clear sky
Operating Platform	3 - Axis
Skew Control	Automatic
Elevation Angle	-15° to +110°
Azimuth Range	Unlimited
Cross Angle	± 35°
Tracking Speed	More than 90°/sec
Antenna Input Power	48V DC, 4.18A
ACU Size	19" Rack 1U size
Gyro Interface	NMEA 0183, Synchro, Step by Step

## ELECTRICAL SPECIFICATIONS (2/2)

Input Power	100 - 120V AC / 200 - 240V AC 50/60Hz, 8A/4A
Output Power	48V DC, 4.18A
External I/O	RS-232C, Mini-USB, Ethernet, Console

## PACKAGING

Size (L x W x H)	220 cm x 220 cm x 240 cm
Gross Weight	492 Kg
Packed by	Wooden Crate

## ENVIRONMENTAL

Temperature	-20° to +55°C
Humidity	Up to 100% @ 40°C
Vibration Damper	Shock Absorber and Rubber Damper included
Ship Motion	Roll: ±25° at 8-12 sec periods Pitch: ±15° at 6-12 sec periods Yaw: ±8° at 15-20 sec periods





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## ACCESSORY OPTIONS

BUC OPTIONS	BUC	BUC POWER SUPPLY
<b>2W</b>	ELMTBKU002	Via IFL Cable Connection
<b>3W</b>	ELMTBKU003	Via IFL Cable Connection
<b>4W</b>	ELMTBKU004	Via IFL Cable Connection
<b>6W</b>	ELMTBKU006	Via IFL Cable Connection
<b>8W</b>	ELMTBKU008	Via IFL Cable Connection
<b>10W</b>	ELMTBKU010	Via IFL Cable Connection
<b>16W</b>	ATOMBKU016	Via Power Vessel System
<b>20W</b>	ATOMBKU020	Via Power Vessel System
<b>40W</b>	ATOMBKU040	Via Power Vessel System

LNB OPTIONS	SERIES	SINGLE/MULTI BAND
<b>LNB</b>	1000H or HS1000	Single-Band
	1000HDF or 1000XDF	Dual-Band
	1000HU or 1000XU	Quad-Band

### AIR CONDITIONING

**COM-AC** Air Conditioner Unit

### HEATER OPTION

**COM-HT** Heater Unit

### VCS OPTION

**COM-VCS** VSAT Cross Over System

**COM-VCS-N** VSAT Cross Over System with 10MHz reference and Emission Control (EMCOM)

### INTEGRATION

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

### INSTALLATION

**COM-INST** On board placement, mounting and assembly service, booting and testing.

### COMMISSIONING

**COM-COM** Complete system verification testing post installment

