



### MarineLink™ COM070KU 0.7m 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-ropo isolator for longevity and reliability
- Unlimited azimuth for precise tracking and ease of cable management
- Anatel, CE certified



### SPECIFICATIONS

#### ELECTRICAL

Reflector Aperture	75 cm (30 in)
Antenna Dimension	102 cm (D) x 104 cm (H)
Reflector Material	Honeycomb FRP
Antenna Weight	67 Kg
Tx Frequency	13.75 ~ 14.5 GHz
Rx Frequency	10.75 ~ 12.75 GHz
Tx Gain	39.1 dBi @ 14.25 GHz
Rx Gain	37.5 dBi @ 11.75 GHz
G/T	16.37 dB/K (in Radome) @ 30deg. Elevation angle and 11.75 GHz, clear sky
Operating Platform	3 - Axis
Skew Control	Automatic
Elevation Angle	-10° 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
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)	120 cm x 120 cm x 132 cm
Gross Weight	143 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: ±24.7° at 8-12 sec periods Pitch: ±15° at 6-12 sec periods Yaw: ±8° at 15-20 sec periods

# MARINELINK™ COM070KU 0.7M KU-BAND MARITIME ANTENNA

## COM070KU

### ACCESSORY OPTIONS

#### BUC OPTIONS

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

#### LNB OPTIONS

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

#### VCS OPTION

COM-VCS	VSAT Cross Over System
or	
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)
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#### INSTALLATION

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

COM-COM	Complete system verification testing post installment
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