MarineLink™ COM100KU
1.0m Ku-Band Maritime Antenna

EUROSATCOM
VSATECH ASSOCIÉ

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
- Certification/Qualification MIL-STD-901, MIL-STD-461, MIL-STD-167. MIL-STD-810, CE, ANATEL

ELECTRICAL SPECIFICATIONS (1/2)

Reflector Aperture	100 cm (40 in)
Antenna Dimension	144 cm (D) x 152 cm (H)
Reflector Material	Honeycomb FRP
Antenna Weight	120 Kg
Tx Frequency	13.75 ~ 14.5 GHz
Rx Frequency	10.75 ~ 12.75 GHz
Tx Gain	41.0 dBi @ 14.25 GHz
Rx Gain	40.0 dBi @ 11.75 GHz
G/T	18.89 dB/K (in Radome) @ 30deg. Elevation angle and 11.75 GHz, clear sky
Operating Platform	3 - Axis
Skew Control	Automatic
Elevation Angle	-18° 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)	158 cm x 158 cm x 177 cm
Gross Weight	247 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° at 8-12 sec periods Pitch: ±14° at 6-12 sec periods Yaw: ±8° at 15-20 sec periods

MADE BY Norsat International Inc. MADE BY

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ACCESSORY 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	SERIES	SINGLE/MULTI BAND
LNB	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

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