



### MarineLink™ COM100KA 1.0m Ka-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, R&TTE certified, Intelsat qualified



### SPECIFICATIONS

#### ELECTRICAL

Reflector Aperture	100 cm (40 in)
Antenna Dimension	144 cm (D) x 152 cm (H)
Reflector Material	Honeycomb FRP
Antenna Weight	119 Kg
Tx Frequency	29.0 ~ 31.0 GHz
Rx Frequency	19.2 ~ 20.2 GHz
Tx Gain	47.8 dBi @ 29.5 GHz
Rx Gain	44.5 dBi @ 19.7 GHz
G/T	20.72 dB/K (in Radome) @ 30deg. Elevation angle and 29.5 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
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	Wire Rope, 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

# MARINELINK™ COM100KA 1.0M KA-BAND MARITIME ANTENNA

## COM100KA

### ACCESSORY OPTIONS

#### BUC OPTIONS

**25W**

#### BUC

ATOMBKA025

**50W**

ATOMBKA050

#### BUC POWER SUPPLY

Via Power Vessel System

Via Power Vessel System

#### LNB OPTIONS

**LNB**

#### SERIES

9000H-2 or 9000X-2

9000H-3 or 9000X-3

9000HT-3 or 9000XT-3

9000H4 or 9000X4

9000H5 or 9000X5

#### SINGLE/MULTI BAND

Single-Band

Dual-Band

Triple-Band

Quad-Band

Penta-Band

#### AIR CONDITIONING

**COM-AC**

Air Conditioner Unit

#### HEATER OPTION

**COM-HT**

Heater Unit

#### VCS OPTION

**COM-VCS**

or

**COM-VCS-N**

VSAT Cross Over System

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