



### MarineLink™ COM100X 1.0m Ku-Band Maritime Antenna

Norsat MarineLink™ COM series provides reliable satellite communications at sea. 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
- 3 types of Gyro input (NMEA Synchro step by step)



### SPECIFICATIONS

#### ELECTRICAL

Reflector Aperture	100 cm (40 in)
Antenna Dimension	144 cm (D) x 152 cm (H)
Antenna Weight	120 Kg (not including RF)
Radome Material	Honeycomb FRP
Tx Frequency	7.9 ~ 8.4 GHz
Rx Frequency	7.25 ~ 7.75 GHz
Tx Gain	36.89 dBi @ 8.15 GHz
Rx Gain	36.3 dBi @ 7.5 GHz
G/T	16.37 dBi/K @ 7.5 GHz including radome loss
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	Tx : 100-240V AC, 656 VA Rx: 48V DC, 4.18A supplied by ACU
ACU Size	19" Rack 1U size
External I/O	RS232C, mini-USB, Ethernet
Gyro Interface	NMEA, Synchro, Step by Step
Input Power	100~120V AC / 200~240V AC, 50/60Hz, 8A/4A
Output power	48V DC, 4.18A

#### PACKAGING

Size (L x W x H)	158 cm x 158 cm x 177 cm
Gross Weight	262 Kg
Packed by	Wooden Crate

#### ENVIRONMENTAL

Vibration Damper	Shock Absorber and Wire Rope Isolator
Temperature	-20° to +55°C
Humidity	Up to 100% @ 40°C
Ship Motion	Roll: ±25° at 6-12 sec periods
	Pitch: ±15° at 6-12 sec periods
	Yaw: ±5° at 5-50 sec periods

# MARINELINK™ COM100X 1.0M X-BAND MARITIME ANTENNA

## COM100X

### ACCESSORY OPTIONS

#### BUC OPTIONS

	<b>BUC</b>	<b>BUC POWER SUPPLY</b>
<b>50W</b>	BUC-100016	Via Power Vessel System
<b>100W</b>	BUC-100030	Via Power Vessel System
<b>125W</b>	BUC-100031	Via Power Vessel System
<b>150W</b>	BUC-100032	Via Power Vessel System
<b>175W</b>	BUC-100033	Via Power Vessel System

#### LNB OPTIONS

<b>LNB</b>	XT1000 or XT1000 Series
------------	-------------------------

#### AIR CONDITIONING

<b>COM-AC</b>	Air Conditioner Unit
---------------	----------------------

#### HEATER OPTION

<b>COM-HT</b>	Heater Unit
---------------	-------------

#### VCS OPTION

<b>COM-VCS</b>	VSAT Cross Over System
or	
<b>COM-VCS-N</b>	VSAT Cross Over System with 10MHz reference and Emission Control (EMCOM)

#### INTEGRATION

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

#### INSTALLATION

<b>COM-INST</b>	On board placement, mounting and assembly service, booting and testing.
-----------------	---

#### COMMISSIONING

<b>COM-COM</b>	Contacting with HUB and set to optimal communication status and frequency post installation
----------------	---