Norsat International Inc.

Innovative Communication Solutions

35 YEARS OF EXCELLENCE

Norsat MarineLink™ COM10 X

Norsat MarineLink™ COM10 X provides reliable satellite communications, with X-Band Satellite compliance. The COM10 X has a 2048 kb/s downlink and 512 kb/s uplink, a 3-axis operating platform, and 360 degree high speed tracking design for 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.

The Norsat Advantage

Norsat's 35 years of communication expertise is now available at sea. Norsat MarineLink COM terminals offer a complete, sophisticated solution in a user-friendly package. Norsat's well-established support network ensures the highest quality of service and support.

Flexible. Intelligent. Tough.

Norsat MarineLink COM systems offer the highest reception gain available in the market. All MarineLink systems feature universal LNBs for global coverage. MarineLink COM systems feature rugged, commercial-grade design and undergo extensive quality and safety tests, making them ideal for use in military deployments and other mission critical operations.

Above Deck

Dish Diameter	100 cm (39")
Antenna Dimension	151 cm (H) x 139 cm (D)
Antenna Weight	114 Kg (Based on 4W BUC)
Radome Material	Honeycomb FRP
Frequency	Tx: 7.9 ~ 8.4 GHz X Band Rx: 7.25 ~ 7.75GHz X Band
Polarization	Tx: RHCP, Rx: LHCP
Axial Ratio	Tx: better than 1.2dB Rx: better than 1.5dB
Tx to Rx Isolation	<0.1 dB increase in receive noise density over 7.25 - 7.75 when transmitter operating at any EIRP level up to maximum
Transmit Antenna Gain	36.5 dBi @ 8.15 GHz Radome losses are not included
Receive Antenna Gain	Rx 35.4 dBi @ 7.5 GHz Receive gain does not include Radome losses
Radome Loss	<0.8 dB for 7.25 - 7.75 and 7.9 - 8.4 GHz
Pointing Error	0.2 deg
BUC	25W
LNB	Linear / Internal PLL
Operating Platform	3-Axis
Elevation Angle	-18˚ to +110˚

Above Deck

Azimuth Range	Unlimited
Cross Angle	±35˚
Ship Motion	Roll: ±35˚ / Pitch: ±15˚/ Yaw: ±8˚
Tracking Speed	More than 90˚/sec.
Vibration Damper	Shock Absorber, Wire Rope Isolator
Temperature	-20˚ to +55˚C
Humidity	Up to 100% @ 40˚C

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Humidity	Up to 100% @ 40˚C
Antenna Input Power	48V DC, 6.6A
Aircon Power (AC)	
Power consumption:	1078W
Operating current:	4.9A

Below Deck

ACU Size	19” Rack 1U size
External I/O	RS232C, mini-USB, Ethernet
Gyro Compass Input	NMEA 0183, Synchro, Step-by-Step
Input Power	100-120V / 200-240V AC, 50/60Hz, 8A/4A
Output power	48V DC, 6.6A

Certifications

Vibration	MIL-STD 167/1
Shock	MIL-STD-901D

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