



MarineLink™ COM150KU 1.5m 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
- Intelsat qualified



SPECIFICATIONS

ELECTRICAL

| | |
|---------------------|--|
| Reflector Aperture | 150 cm (60 in) |
| Antenna Dimension | 212 cm (D) x 206 cm (H) |
| Reflector Material | Honeycomb FRP |
| Antenna Weight | 260 Kg |
| Tx Frequency | 13.75 ~ 14.5 GHz |
| Rx Frequency | 10.75 ~ 12.75 GHz |
| Tx Gain | 45.25 dBi @ 14.25 GHz |
| Rx Gain | 43.8 dBi @ 11.75 GHz |
| G/T | 22.89 dB/K (in Radome) @ 30deg. Elevation angle and 11.75 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

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|------------------|--------------------------|
| Size (L x W x H) | 220 cm x 220 cm x 240 cm |
| Gross Weight | 492 Kg |
| Packed by | Wooden Crate |

ENVIRONMENTAL

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|------------------|--|
| Temperature | -20° to +55°C |
| Humidity | Up to 100% @ 40°C |
| Vibration Damper | Rubber Damper and Shock Absorber included |
| Ship Motion | Roll: ±25° at 8-12 sec periods Pitch: ±15° at 6-12 sec periods Yaw: ±8° at 15-20 sec periods |

MARINELINK™ COM150KU 1.5M KU-BAND MARITIME ANTENNA

COM150KU

ACCESSORY OPTIONS

BUC OPTIONS

| BUC | SERIES | SINGLE/MULTI BAND |
|-----|------------|-------------------|
| 2W | ELMTBKU002 | Single-Band |
| 3W | ELMTBKU003 | Dual-Band |
| 4W | ELMTBKU004 | Quad-Band |
| 6W | ELMTBKU006 | |
| 8W | ELMTBKU008 | |
| 10W | ELMTBKU010 | |
| 16W | ATOMBKU016 | |
| 20W | ATOMBKU020 | |
| 40W | ATOMBKU040 | |

BUC

BUC POWER SUPPLY

LNB OPTIONS

| | | |
|-----|--------------------|-------------|
| LNB | 1000H or HS1000 | Single-Band |
| | 1000HDF or 1000XDF | Dual-Band |
| | 1000HU or 1000XU | Quad-Band |

AIR CONDITIONING

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|--------|----------------------|
| COM-AC | Air Conditioner Unit |
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HEATER OPTION

| | |
|--------|-------------|
| COM-HT | Heater Unit |
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VCS OPTION

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| COM-VCS | VSAT Cross Over System |
| or | |
| COM-VCS-N | VSAT Cross Over System with 10MHz reference and Emission Control (EMCOM) |

INTEGRATION

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|---------|--|
| COM-INT | Assembly, function verification, and pointing test (standard product/RF packages only) |
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INSTALLATION

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

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| COM-COM | Complete system verification testing post installment |
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