

## G X 6 0 N X 2

### ENHANCED 65CM Maritime Global Xpress Terminal



#### FEATURES

##### COMPACT AND LIGHTWEIGHT

GX60NX2 is the compact and light GX Terminal. It provides easy and convenient installation in order for the user to reduce the total cost of ownership. Even though the weight is dramatically reduced, the terminal performance is maintained. While still guaranteeing reliability in the harshest sea conditions.

##### ALL-IN-ONE BELOW DECK TERMINAL

All-In-One GX BDT integrates ACU, GX modem, power supply, 4-port switch and GX Mediator. Mediator function is embedded in BDT which is capable of controlling and managing two GX antenna systems simultaneously to assign Primary BDT and Secondary ACU without a mediator box. This 19 "1U size BDT can be easy to install in the FX rack, reducing installation time and costs.

##### 2.5GHZ WIDE KA-BAND SUPPORT

The GX60NX2 has a full range-optimized reflector and radome supporting high speed Ka-band services, which covers the entire commercial Ka 2.5GHz wide frequency band range. GX60NX2 supports dual-polarization and can transmit and receive both LHCP and RHCP of Ka-band circular polarization.

##### QUICK & EASY INSTALLATION

The GX60NX2 is designed to be easy to install and reduce costs for users. The system includes a single cable design, combining Tx, Rx and DC power into one single solution. The single coaxial cable is connected externally on the base of the radome with no requirement to access the inside of the radome, reducing complexity for the customer during installation and maintenance.

##### HIGH POWER UPGRADABLE

The GX60NX2 terminal use an integral unit of multi-band BUC and LNB arranged in a 4.5W Transceiver. The system with transceiver can use dual polarization for both Tx and Rx with several possible topologies. The GX60NX2 can be easily upgraded with the 9W High Power transceiver. There is no need to replace the BDT and no additional components are required. Simply and easy upgrade 9W transceiver to benefit high throughput service.

##### ANTENNA MANAGEMENT PLATFORM

Intellian's all new integrated M&C platform, AptusNX provides responsive web user interface to manage and control the antenna system regardless of device types. AptusNX includes an intelligent installation Wizard to simplify system configuration so that users can become connected faster than ever before. The platform also includes diagnosis function which enables accurate and enhanced antenna performance checks both on-board and remotely. This reduces the need for on-board maintenance and improves performance.

# GX60NX2

## TECHNICAL SPECIFICATIONS

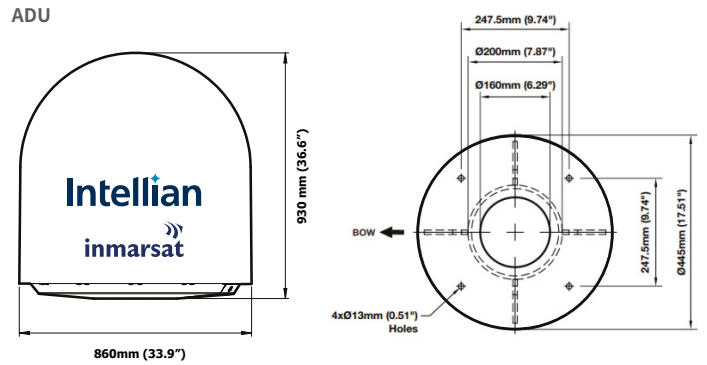
### ABOVE DECK UNIT

|                        |  |
|------------------------|--|
| Radome Height          | 93 cm / 36.6"  |
| Radome Diameter        | 86 cm / 33.9"  |
| Reflector Diameter     | 65 cm / 25.59"   |
| Weight                 | 39 kg / 86 lbs   |
| Azimuth Range          | Unlimited  |
| Elevation Range        | -20° to 115°   |
| Cross-level Range      | ± 37°  |
| Stabilization Accuracy | 0.2° peak mispointing<br>@max ship motion condition            |
| Motor Brake System     | Dynamic Brake System   |
| Tx Frequency           | 27.5 ~ 30.0 GHz Ka-band  |
| Tx Gain                | 44.2 dBi @29.0GHz  |
| Rx Frequency           | 17.7 ~ 20.2 GHz Ka-band  |
| Rx Gain                | 40.2 dBi @19.0GHz  |
| G/T                    | > 15.5 dB/K @Elevation 10 degree                               |
| XCVR Power             | 4.5W, 9W XCVR  |
| Tx Sidelobe            | Meet FCC 25.218  |
| Rx Sidelobe            | Meet FCC 25.209  |
| Polarization           | Circular Dual Polarization<br>(Rx : RHCP/LHCP, TX : RHCP/LHCP) |
| Antenna Cable          | Single 50 ohm Coax Cable                                       |

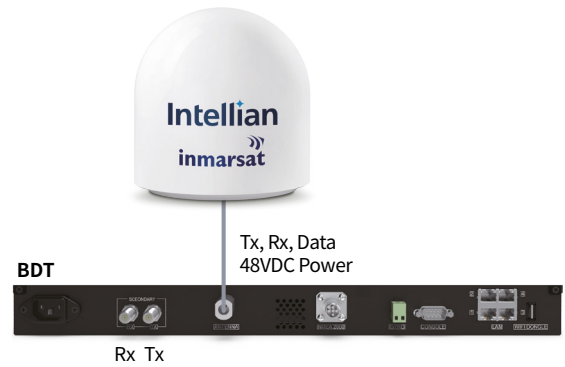
### BELOW DECK TERMINAL

|                       |   |
|-----------------------|---|
| Dimensions (WxDxH)    | 43.1 cm x 41.1 cm x 4.4 cm / 17" x 16.1" x 1.7" |
| Weight                | 5.7 kg / 12.5 lbs                               |
| Display               | OLED Display                                    |
| Gyrocompass Interface | NMEA 2000, NMEA 0183                            |
| Mediator Interface    | GX Mediator Integrated                          |
| Modem                 | GX Modem Integrated                             |
| Remote Management     | Yes   |
| Wi-Fi Operation       | Yes (w/ Wi-Fi dongle)                           |
| Management Port       | Yes   |
| Intellian LAN Port    | Yes   |
| Power Requirement     | 100 ~240 VAC, 50~60Hz, 3A                       |

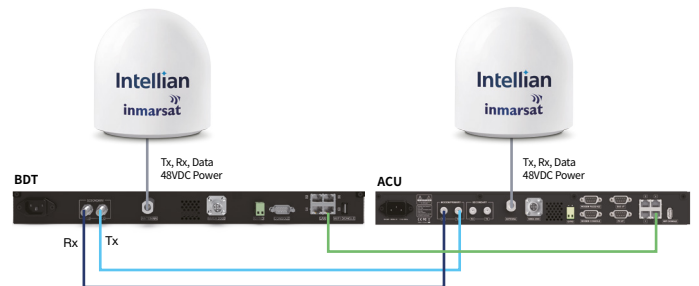
## SYSTEM DIMENSION



## SYSTEM DIAGRAM



## SYSTEM DIAGRAM (DUAL SOLUTION)



### Global HQ

Innovation Center  
Intellian Technologies, Inc.  
T +82 31 379 1000

### APAC

Seoul  
Intellian Technologies, Inc.  
T +82 2 511 2244

### Americas

Irvine  
Intellian Technologies USA, Inc.  
T +1 949 727 4498 Toll Free +1 888-201-9223

### EMEA

Rotterdam  
Intellian B.V.  
T +31 1 0820 8655