

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.

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.

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.

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.

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.

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

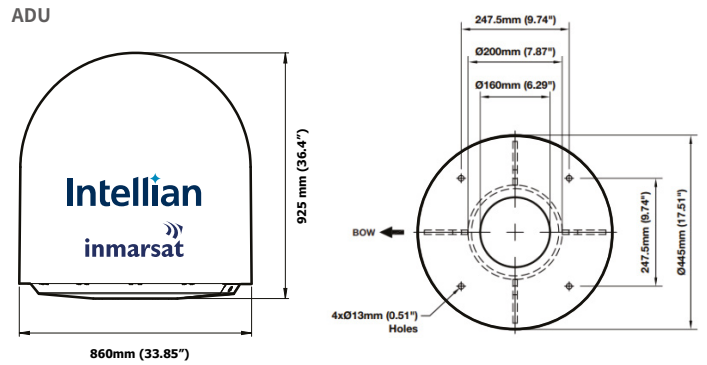
ABOVE DECK UNIT

Radome Height	92.5 cm / 36.4"
Radome Diameter	86 cm / 33.85"
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 miss-pointing @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 (Rx : RHCP/LHCP, TX : RHCP/LHCP)
Antenna Cable	Single 50 ohm Coax Cable

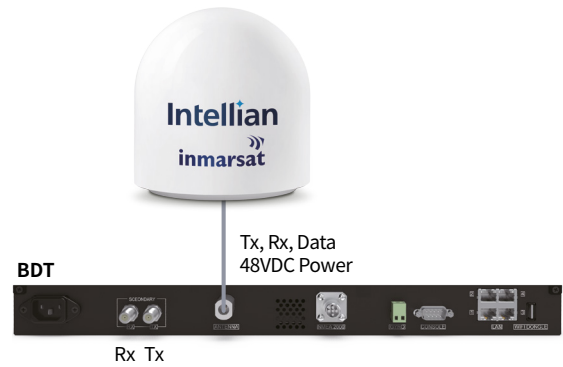
BELOW DECK TERMINAL

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

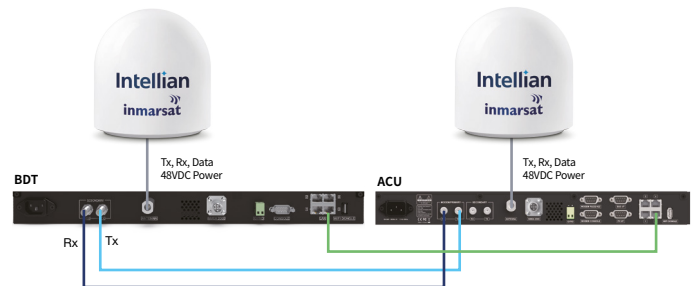
SYSTEM DIMENSION



SYSTEM DIAGRAM



SYSTEM DIAGRAM (DUAL SOLUTION)



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