

GX150NX

The World's First 1.5m GX Terminal



2.5 GHz Wideband Ka-band Ready

Ka-band becomes the next choice for new satellite capacity as the demand for bandwidth increases. The GX150NX has a full range-optimized reflector and radome supporting high-speed for Ka-band services.

Single Cable Solution and Fiber Link Support

A single cable carries TX, RX, DC power, data, and reference signals between the antenna and the BDT. In addition, a Fiber optic solution is provided, resulting in minimal signal loss regardless of cable length. These provide a more efficient cost-effective solution.

Supporting Higher Throughput

The increased BUC output power to 10 W supports greater throughput in response to customer requests to push even more traffic on the network.

All-In-One Below Deck Terminal

The all-new GX BDT integrates ACU, GX modem, Power supply, 4-port switch, and GX mediator. This 19" 1U size BDT is easy to install in the rack, reducing installation time and costs.

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Technical Specifications

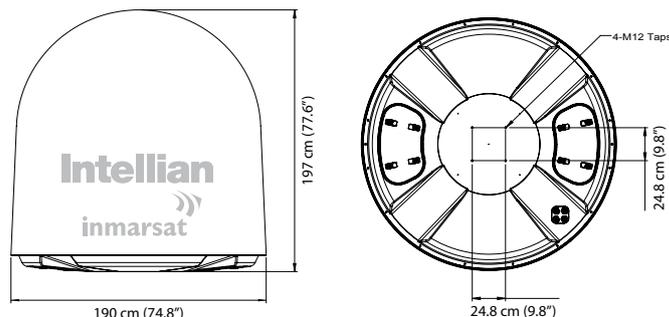
Above Deck Unit

Radome Height	197.0 cm / 77.6"
Radome Diameter	190.0 cm / 74.8"
Reflector Diameter	150.0 cm / 59.0"
Weight	260 kg
Platform	3-axis / Azimuth, Elevation, Cross-level
Azimuth Range	Unlimited
Elevation Range	-15° to +110°
Cross-level Range	Up to ± 35°
Stabilization Accuracy	0.2° peak mis-pointing @ max ship motion condition
Motor Brake System	Dynamic Motor Brake
Tx Frequency	29.0 ~ 30.0 GHz Ku-band
Tx Gain	50.9 dBi @ 29.5 GHz (wo/ radome)
Rx Frequency	19.2 ~ 20.2 GHz Ka-band
Rx Gain	47.7 dBi @ 19.7 GHz (wo/ radome)
G/T	> 22.8 dB/K @ 19.7 GHz (w/ radome)
BUC Power	10 W
Tx Sidelobe	Meets FCC 25.138
Rx Sidelobe	Meets FCC 25.209
Polarization	Circular (Tx : RHCP, Rx : LHCP)
Antenna Cable	Single 50 ohm Coax Cable

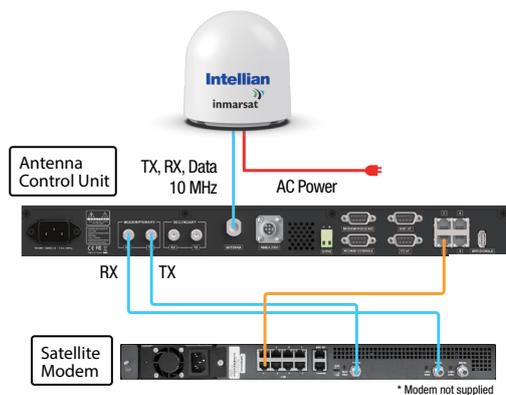
Antenna Control Unit

Dimension (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	256 x 64 Graphic OLED
Gyrocompass Interface	NMEA2000 / NMEA0183
Mediator Interface	GX Mediator Integrated
Modem Interface	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, 50~60 Hz, 3A

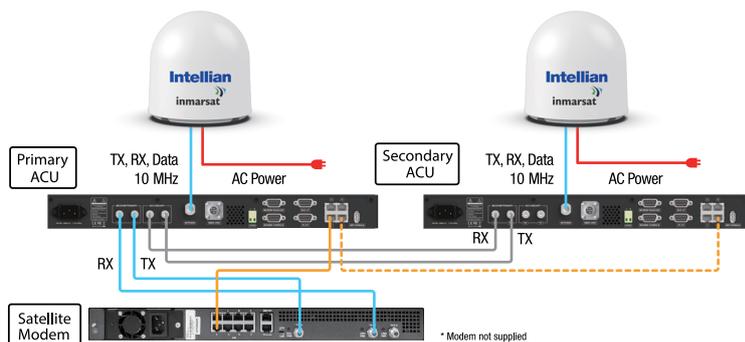
System Dimension



System Diagram



System Diagram (Dual Antenna)



MARINEQ

Группа компаний