Intellian GX100

1m Global Xpress Terminal

3+2 YEAR PARTS / YEAR LABOUR
GLOBAL WARRANTY

Aptus

Maritime Connectivity Made Simple

Intellian and Inmarsat have partnered to deliver a high speed connectivity solution as easy to adopt as Fleet Broadband. Easy, standardized equipment. Single global network. Intuitive User Interface.

All in One Below Deck Terminal

Features a built in GX modem for simplified installation and reduced overall space requirements. Wi-Fi enabled for wireless management via Intellian's Aptus PC or Mobile remote management application. Built in 8 Port Ethernet Switch provides VLAN capability, all in a single, 19" rack type 1U case. Integrated AC Power Supply (no additional components needed) and front panel touch display with easy navigation buttons.

Enterprise Enabling Speed

The Global Xpress constellation is the world's first global High Throughput Satellite network to come to market. Users will be able to connect at speeds measured in Megabits, as opposed to Kilobits, all at reasonable service rates.

Industry-leading Standards Compliance

The GX Series meets CE and FCC regulatory compliances as well as EN60945, EN60950, RED and FCC Part 15. They are also designed to meet MIL-STD 167.

From In Port to Online in 4 Hours

Quick-Deploy packaging, pre-slung lifting straps, Intellian's Aptus Graphical User Interface and a single, integrated Below Deck Terminal (BDT) enable fast and easy installation of the GX Series. Captains and Fleet managers can count on quick, pain-free installation to get vessels connected and back out to sea swiftly.

One Touch Commissioning

Goes from power-up to network connectivity in 30 seconds. No calls to the Network Operations Center (NOC) required. No post installation configuration (option file) needed. System is pre-configured for easy, rapid deployment.

Fully Supports FX Configuration

Intellian provides the complete Fleet Xpress Solution, both above and below deck by pairing any combination of GX and FB series terminals with our pre-configured rack system. Vessels with preexisting FleetBroadband terminals can seamlessly integrate with our equipment.

Redundant Antenna Systems

A redundant system can be easily configured by using the Intellian GX Mediator to connect two antennas. Preventing network outages due to antenna blockage.
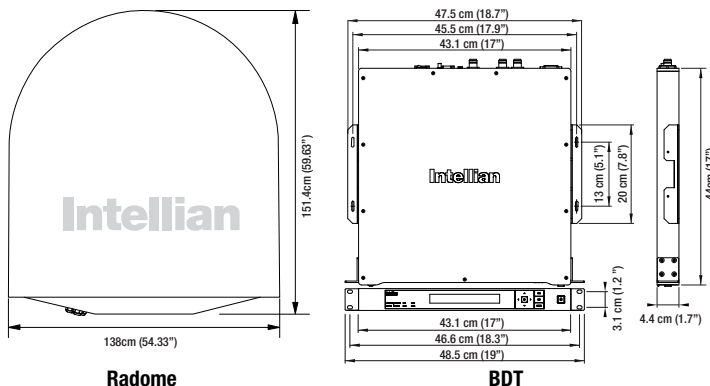
Intellian
Connect with the best

Intellian GX100
1m Global Xpress Terminal

Technical Specifications

Above Deck Unit

Radome Height	151 cm / 59.63"
Radome Diameter	138 cm / 54.33"
Reflector Diameter	103 cm / 41"
Weight	Approx. 128 kg / 282 lbs
Platform	3-axis : Azimuth, Elevation, Cross-level
Azimuth Range	Unlimited
Elevation Range	-20° to +115°
Cross-level Range	Up to ±37°
Stabilization Accuracy	0.2° max in presence of specified ship motions
Motor Brake System	Elevation, Cross-Level
Power Requirement	100~240 V AC, 50~60 Hz, 4 A
TX Frequency	29.0~30.0 GHz Ka-band
TX Gain	47.7 dBi @ 29.5 GHz (with Radome)
RX Frequency	19.2~20.2 GHz Ka-band
RX Gain	43.7 dBi @ 19.7 GHz (with Radome)
G/T	> 20.1 dB/K (min.)
BUC	5 W Ka-band BUC
LNB	Ka-band LNB (L.O. 18.25 GHz)
Polarization	Circular, Tx:RHCP / Rx:LHCP

Below Deck Terminal

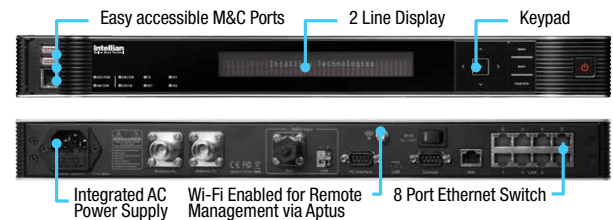|	
Dimensions (WxDxH)	43.1 cm x 44.1 cm x 4.4 cm / 17" x 17.3" x 1.7"
Weight	4 kg / 8.8 lbs
Display	2 line 40 character graphic VFD module
Ship's Gyrocompass Interface	NMEA2000 / NMEA0183
Modem	Integrated Global Express Modem
Remote Management	Yes
Wi-Fi Operation	Yes
Management Port	Yes (Ethernet/ USB/ Serial)
Power Requirement	100~240 V AC, 50~60 Hz, 1 A

System Dimensions

Radome

BDT

Key Features

- **Maritime Connectivity Made Simple**
- **All-in-One Below Deck Terminal**
- **Enterprise Enabling Speed**
- **One-Touch Commissioning**
- **Inmarsat Type Approved**
- **From In Port to Online in 4 Hours**
- **Single Network, Global Coverage**
- **Fully supports Fleet Xpress configuration**
- **FB250/FB500 Compatibility**
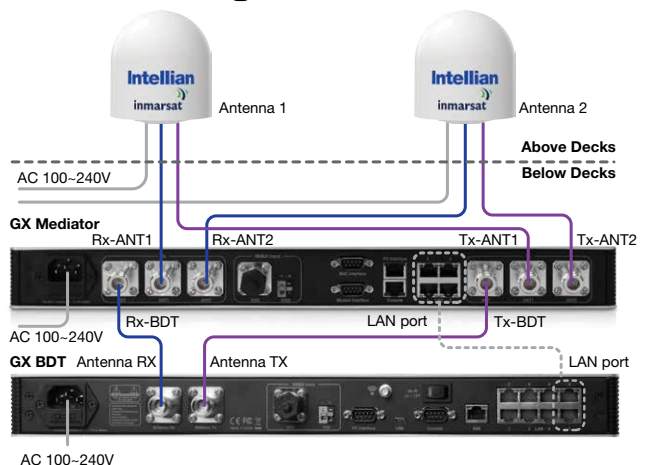- **GX Mediator option for dual antenna solutions**

All-in-One Below Deck Terminal

Easy accessible M&C Ports   2 Line Display   Keypad

Integrated AC Power Supply   Wi-Fi Enabled for Remote Management via Aptus   8 Port Ethernet Switch

Connection Diagram (Single Antenna System)

Antenna Rx   Antenna Tx   AC 100~240V

Connection Diagram (Dual Antenna System)

Antenna 1   Antenna 2

Above Decks
Below Decks

AC 100~240V

GX Mediator
Rx-ANT1   Rx-ANT2   Tx-ANT1   Tx-ANT2

AC 100~240V   Rx-BDT   LAN port   Tx-BDT

GX BDT   Antenna RX   Antenna TX   LAN port

AC 100~240V

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