

Intellian GX100HP

High Power 1m Global Xpress Terminal



Supporting Higher Throughput

The increased BUC output power to 10W on the Ka band supports greater throughput in response to customer requests to push even more traffic on the network. It enables up to 5Mbps upload speed and 10Mbps download capability on Fleet Xpress service.

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.

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 Fleet-Broadband 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.

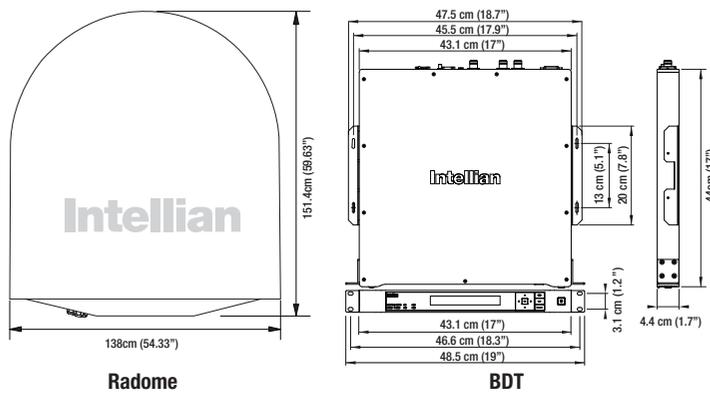
Intellian
Connect with the best

Intellian GX100HP High Power 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	10W 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

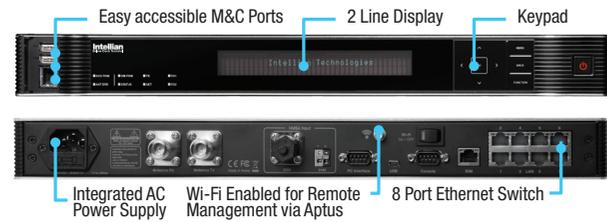
System Dimensions



Key Features

- 10W Ka-band BUC Integrated
- All-in-One Below Deck Terminal
- Enterprise Enabling Speed
- One-Touch Commissioning
- Inmarsat Type Approved
- Single Network, Global Coverage
- Fully supports Fleet Xpress configuration
- FB250/FB500 Compatibility
- GX Mediator option for dual antenna solutions

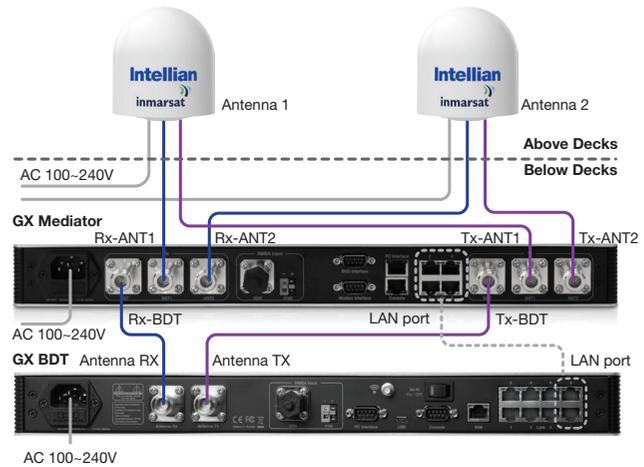
All-in-One Below Deck Terminal



Connection Diagram (Single Antenna System)



Connection Diagram (Dual Antenna System)



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