

Intellian® GX60

65cm Global Xpress Terminal



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, R&TTE 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.

FB250/500 Compatibility

All Intellian systems feature an Intellian LAN function, enabling all onboard devices to be easily networked out of the box with no additional hardware. For the ultimate in service reliability, or for out of band management solutions, the GX Series easily integrates with Intellian's FB250 or 500 terminals.

Uninterrupted Global Coverage

With the GX Series, users benefit from the reliable, global coverage of traditional Inmarsat Services, with more than twice the speed and performance.

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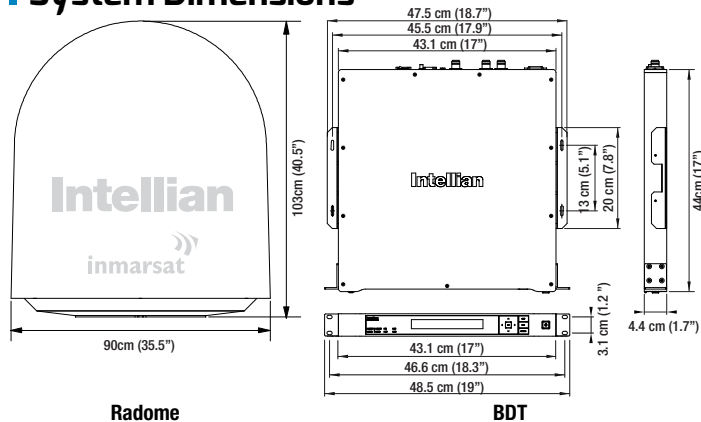
Intellian® GX60

65cm Marine Stabilized Ka-band Compact Communication Terminal

Technical Specifications

| Physical | |
|------------------------------|--|
| Radome Height | 103cm / 40.5" |
| Radome Diameter | 90cm / 35.5" |
| Reflector Diameter | 65cm / 25.6" |
| Weight | Approx. 60kg / 132lbs |
| Stabilized Pedestal Assembly | |
| 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 | 100~240V AC, 50~60Hz, 4A |
| Reflector & Feed Assembly | |
| TX Frequency | 29.00~30GHz Ka-band |
| TX Gain | 43.75 dBi @ 29.5GHz (with Radome) |
| RX Frequency | 19.2~20.2GHz Ka-band |
| RX Gain | 40 dBi @ 19.7GHz (with Radome) |
| G/T | > 15 dB/K (min.) |
| BUC | 5W Ka-band BUC |
| LNB | Ka-band LNB (L.O. 18.25GHz) |
| Polarization | Circular, Tx:RHCP / Rx:LHCP |
| Below Deck Terminal | |
| Dimensions (WxDxH) | 43.1cm x 44.1cm x 4.4cm / 17" x 17.3" x 1.7" |
| Weight | 4kg / 8.8lbs |
| Display | 2 line 40 character graphic VFD module |
| Ship's Gyrocompass Interface | NMEA 2000 / NMEA 0183 |
| Modem | Integrated Global Express core module |
| Remote Management | Yes |
| Wi-Fi Operation | Yes |
| Management Port | Yes (Ethernet/ USB/ Serial) |
| Power Requirement | 100~240V AC, 50~60Hz, 1A |

System Dimensions



Key Features

- Maritime Connectivity Made Simple
- All in One Below Deck Terminal
- Enterprise Enabling Speed
- Industry-leading Standards Compliance
- From In Port to Online in 4 Hours
- One Touch Commissioning
- FB250/500 Compatibility
- Uninterrupted Global Coverage

All-in-One Below Deck Terminal



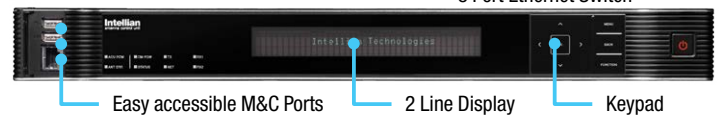
Antenna Control Unit (19" Rack Type 1U)

8 Port Ethernet Switch

Integrated GX Modem



8 Port Ethernet Switch



System Diagram



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