

Intellian® GX60

65cm Marine Stabilized Ka-band
Compact Communication Terminal



Integrated BDU

The all new GX BDU combines the Global Xpress Modem internally with the antenna control unit, saving time and space during installation. The BDU also includes Wi-Fi to allow wireless connection using the dedicated Intellian Aptus software for system control and monitoring. The Aptus software automatically configures the antenna system, enabling true One Touch Commissioning.

One Touch commissioning

For simple set up and activation the Intellian GX60, combined with the easy to use Aptus software, ensures a rapid automated set up.

Precision Ka-Band reflector

The GX60's reflector is designed and engineered to maximize performance on Ka-band. The precision design provides superior performance and reliability in all operating conditions.

Automatic satellite switching

The GX60 supports auto satellite and beam switching for seamless, coverage on the Global Xpress network.

8 Port network switch

Users benefit from the 8 network ports on the BDU providing a turn key solution. No external network switch required, making the GX60 a complete communication solution in one compact unit.

Gyro-Free satellite search capability

Intellian's innovative Gyro-free satellite search function enables the GX60 to acquire and lock onto the satellite without requiring a separate input from the ship's gyrocompass, this feature further simplifies the installation process.

Industry-leading standards compliance

The GX60 is designed to meet or exceed CE and FCC regulatory compliances as well as EN60945, EN60950, R&TTE, and FCC Part 15.

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Connect with the best

Intellian® GX60

65cm Marine Stabilized Ka-band Compact Communication Terminal

Technical Specifications

Above Deck Unit (ADU)	
Radome Height	103cm / 40.5"
Radome Diameter	90cm / 35.5"
Reflector Diameter	65cm / 25.6"
Weight	Approx. 60kg / 132lbs
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
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)
Cross-pol Isolation	Minimum 35 dB
G/T	> 15 dB/K @ Ka-Band
BUC	5W Ka-Band BUC
LNB	Ka-Band LNB (L.O. 18.25GHz)
Polarization	Circular, Tx:RHCP Rx:LHCP
Below Deck Unit (BDU)	
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 Interface	Integrated on the BDU
Remote Management	Yes
Wi-Fi Operation	Yes
Management Port	Yes
Power Requirement	100~240V AC, 50~60Hz, 1.5A

Intellian® GX60 is a 65cm Ka-band maritime stabilized terminal, a ready-to-use system for the high speed, Global Xpress™ (GX) broadband service from Inmarsat.

The GX60's high-gain, efficient reflector and frequency tuned radome ensure the best service quality available for Ka-band operation. The GX60's seamless end-to-end solution enables hassle-free installation, operation, and maintenance. The GX60 uses a graphically-based antenna remote control program, Aptus, allowing an easier, user-friendly, and convenient manner to manage the terminal.

The Intellian GX60 Below Deck Unit (BDU) includes the integrated Global Xpress™ Modem and a Wi-Fi system for wireless monitoring and control on-board the vessel. The built in 8 port Ethernet switch allows for direct IP connection to the vessel's on-board network ready devices, once the simple installation process is complete users can be on-line in a matter of minutes.

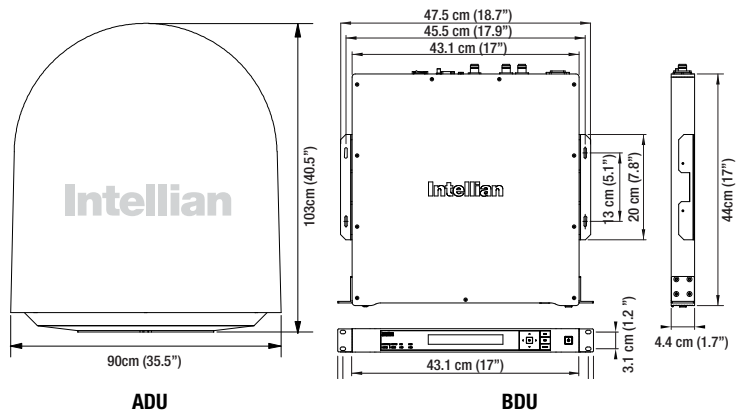
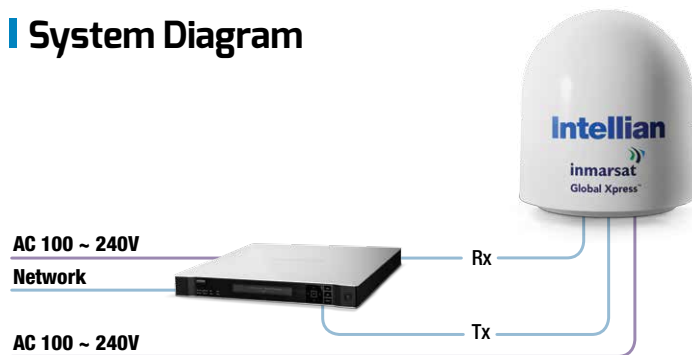
The Intellian GX60 comes with a 5W BUC and a Ka-band LNB configured for circular polarized signals.

Key Features

- Ready for Inmarsat Global Xpress™ (GX) service
- Fully optimized for Ka-band operation
- BDU with alphanumeric display of system status
- Aptus graphically-based remote control program
- One Touch commissioning

System Dimensions

System Diagram



Global HQ
 Innovation Center / Factory
 Intellian Technologies, Inc
 T +82 31 379 1000
 F +82 31 377 6185

APAC
 Seoul Office
 Intellian Technologies, Inc.
 T +82 2 511 2244
 F +82 2 511 2235

Americas
 Irvine Office
 Intellian Technologies USA, Inc.
 T +1 949 727 4498
 F +1 949 271 4183
 Toll Free +1 888-201-9223

EMEA
 Rotterdam Office
 Intellian B.V.
 T +31 1 0820 8655
 F +31 1 0820 8656