

# Intellian GX Mediator

**Seamless Coverage - Automatic Switching**  
for an always-on broadband service



## Resilient Antenna Systems

Using the GX Mediator, a ship may install two identical GX antennas and use them with a single service package. This ensures always-on broadband service by reducing the out-of-service time.

## Mitigate Blockage

Overcome loss of signal due to onboard blockage from cranes, masts and other parts of the vessel superstructure. The Intellian GX Mediator communicates with both antennas, automatically switching from one to the other when an antenna enters a blockage zone.

## Simple and Easy Installation

The Intellian GX Mediator provides a straightforward “plug & connect” experience through its simplified yet sophisticated design architecture.

## Intellian Network Device Monitoring

Intellian LAN connection enables integrated monitoring and control of the dual antenna system from the GX Mediator’s Aptus Web interface. Simplified IP network setup allows easy and direct access to the connected GX system. The Aptus application has a smart Graphical User Interface (GUI) for ease of communication and to monitor the current antenna status.

## Manual Antenna Selection

Using the integrated Aptus Web application, manual selection of the live antenna can be performed.

# Intellian GX Mediator

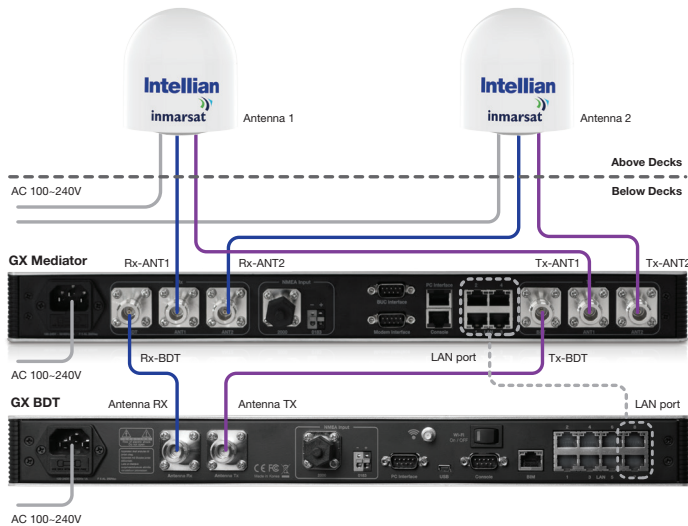
## Technical Specifications

Physical		
Dimension (WxDxH)	43.1 x 44 x 4.4 cm (17" x 17.3" x 1.7")	
Weight	4.3 kg (9.5 lbs)	
LED Indicator	3 LEDs for Status, ANT 1 and ANT 2	
USB Port (Front Panel)	Upper Port	PC or Management Device
	Lower Port	Logs Download & Update
Ethernet Port	Front Panel	RJ45, TCP/IP Connection, Support Web & M&C Port
	Rear Panel	RJ45, TCP/IP Connection
PC Interface Port, Console Port	Ethernet Port RJ45 Serial Port (for maintenance)	
Connectors	50 Ohm N-Type Female	
Frequency Range	950~2150 MHz	
TX / RX Isolation	> 80 dB over Pass Band	
Power Source	100 ~ 240 V AC, 50 ~ 60 Hz, 1A	
Power Consumption	25 W Typ.	

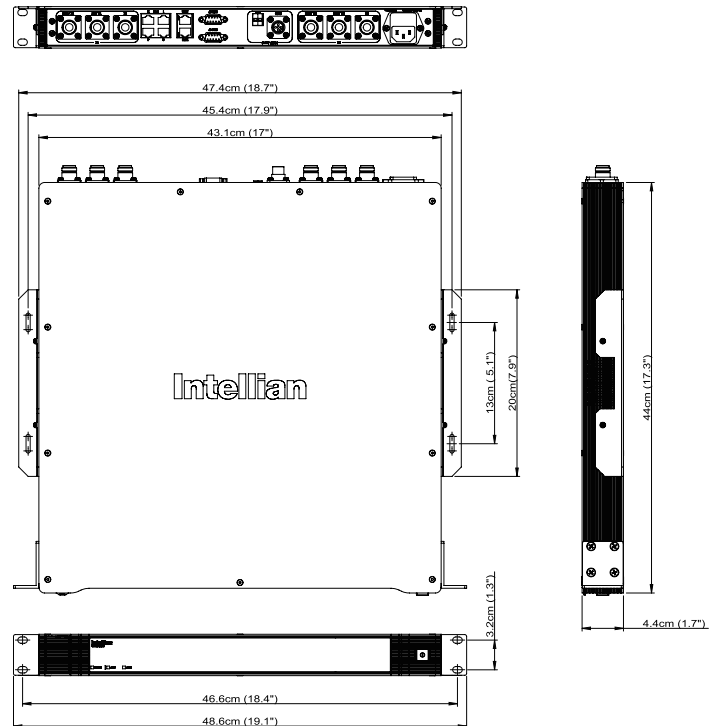
## Key Features

- Compact 19" Rack mount 1U size matches the GX BDT.
- LED indicators show active antenna.
- No keypad to prevent accidental switching.
- Automatic antenna model detection to prevent unmatched reflector sizes.
- Aptus allows user to configure both antennas and program switching criteria via easy to use graphical display.
- One Aptus connection to the GX Mediator allows control of both antennas, the GX BDT and the GX Mediator.

## System Diagram



## System Dimensions



# Intellian

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

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

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

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